

<210> 13381
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-C6

 <400> 13381

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 tatctcttct ccgaccaaatt ctcccaccac tctttctgct ccaactactt cccctactaa 180
 atcccccgcc gttactttct ccaactacggc tccggcgaaa actccaactg cttegggttc 240
 ttcaccggtt gagtcaccaa aatctccggc tctgtttage gagtctgtct caccaccgac 300
 acctgttcca gagagctctc ctccgggttc tgcaccaatg gnttcttctc cagtgaagtc 360
 tcaaccggtt caagcaccag tagctgatct tctcaagct ccggttaaccg ctccgggttc 420
 tgagtaccgg ntccngctca 440

<210> 13382
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-C7

 <400> 13382

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 tcagaagaag tctacttcgg tctgaaaacc ggacaaggct ttttgaggtt caagtgaag 120
 agcaagattc acaagcagag atgggttgat ggggttcagt ctcttctccg ccaagtaaat 180
 tgctttgagg ctgccaaatg ctgctggga tctctgaatc tcaactggta cacgtgatgc 240
 aggatcctgt atatatttga ttatattcat atatataata tccaaatttt tgctgtttgt 300
 aggtatttgc aaaacctggc aatgtaacct cagaagactt ttggataaaa caagcaggt 360
 tgttcaattg atcacaacaa tgtagganc attgcatgta cagaangctc agagatgatg 420
 aaccaattg aacttttaatt tcaaaaaaaaa 450

<210> 13383
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-D1

 <400> 13383

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 gctgaagaac cctaattctt atcttcaccg gattccgggt atagggcttt gtaaagttgt 120
 tgaatttaca aagaaagata tgctggtttg tctgggtttt gtagaagaat ctgtgttggt 180
 gctttgagat taaagtccga acaatgttgg gtttgattca tgtccttgat gagctcgtca 240
 atggtcttat gccactgctt atcattcagt agtcaaaacc cagatcctga atcatcatca 300
 tcttctcttc ttcggtataa gccttgtgat tccaatttcg ttgtggggta agagaaagga 360
 anaacctttg gaaatttggt ccaattgctg agaaagaata acaatccata cgggtaataa 420
 taattaagaa ggagaagaaa cctggtggca aaaggttt 458

<210> 13384
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-D11

 <400> 13384

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 tgaaattata gccatgtctg atgtgggatc ctttacaggc attactggct ctgcttgctt 180
 tgtgtaaang antcttccat caaggaaagg aggcttcgta tcatgaaaag gctcaggtct 240
 tgtcaaagaa attcgggaga acaaagtgc gaataantca cgacagcgat tctgggagct 300
 tgcaggttct aatcttggtg atatccttgg tattgaaaaa tcanccgagc agattgangc 360
 cgatactgct gtanttggtg acgacggtga agtanathtt aaaggtgagg ctaaatttgc 420
 acaacatatg aagaagggag aagctgtgag tgaatttgcc atgtcaaaga ccatggcaga 480

acaacggcag tatcttccca tattttccgt taagagaaga

520

<210> 13385

<211> 399

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-032-Q1-E1-D12

<400> 13385

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aagccactac tactacgttc tgcttctccg gtccaacttt cccgatcaact cctcactcac 120
tcacttcaaa acgtcctatc tccatcaaag ctactacttc ttctccttna agactctcca 180
attcacgata gaatctcann ggaagatcat tgtcnagtga tgggtcaaca caggaatctc 240
cttatgtant ctgttttggg gaaatgctaa gctattttgt accgacgaca agcggacttt 300
cattaaccga tncaccgggt ttttaanaag ctccangtgg tgnacctgcn aangtagctg 360
ttggtattgc tcgtcntggt ggttcttcag ctttcantg 399

<210> 13386

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-032-Q1-E1-D2

<400> 13386

gggaacatca acatcatatg ccctgggcga gtgcgcagga gagagggcaa atgtttgtag 60
gttctggagt ggatgtatac aaaggtcaga tagttgggat ccaccagaga cccggcgact 120
tgggtcttaa tatctgcaag aagaaggcag cgacaaacat aagatccaac aaagatgtaa 180
cagtgattct tgacactccc ttaacatata gtctggacga ctgcatcgaa tacattgaag 240
aggatgagtt ggtggagggt acaccttcta gtattaggat gtgcaagaat cagaaaatgg 300
caaagaaagg caggcagtaa aaccattttt tgcaagctgg gtttggagga aattgaagaa 360
aagcttctac taaaaaaaaa tgaaagctag ttccaatggt attatangct tgtttgattg 420
ttatacatag tctaattctat agcaaanggt gatcctgatg tt 462

<210> 13387
 <211> 457
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-B11

 <400> 13387
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 gacgaggctc ggaatccctc tgctttacgc tgttgacgcg gttcatggcc acaatacttt 120
 tattgatgca accattttcc cccacaatgt cggacttggt gccactaggg atcctcaact 180
 tgttaaaaag attggggcta taaccgcgca ngaagtaagg gcaacaggag tcgctcaagc 240
 ttttgcacct tgtgttgccg tttgcagaga tcctagatgg ggaagggtgtt acgagagcta 300
 taagtgaaga cctgcagttg tgaatatgat gaccgaaagt tacatcnatg ggantacaaa 360
 ggaaatctcc cttacctcgc tgattcccaa agattaatgt ggctggggtg ccccaaacat 420
 tttgtttggg gacggaggca caataaatgg aatcaaa 457

<210> 13388
 <211> 109
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-G1

 <400> 13388
 gattggtanc tcnncttatt agaaagattc tcggttccga aatgacctca gattcctcaa 60
 gatcnggttt ctctatcttg aaggcaggga agattttgng agggtttat 109

<210> 13389
 <211> 409
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-G10

 <400> 13389
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cttctcccaa naatcaagga gttgagagag ggaagaactt taacaaaaga atttaagaac 120
tgaagaagga ggaataaaca tcgaaatgtc gggctcgagg cttttcttcg gagtttctac 180
aattgtatcg ataattttcg ccattttgtt gccgatggca catgctcaat ccgcagctcc 240
tgctccggct ccaacaagcg acggaacaac gatagaccaa ggcatancat atgtccttat 300
gttggtggct ttggctctca catatctcat ccattgatct cttgttaatt taattttggt 360
ctctatttag ttttaattatn ttttgcaccc tggattataa caaannnng 409

<210> 13390
<211> 288
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G3

<400> 13390
tnaanntcan tcgccgtgtc tctctaagct tcttcttcac tgtgaaaacc tcagatcgca 60
antatgcacg caccgggtact cgttctgagc gattcgttga agcgtgaatc tggaagtaag 120
gttcatcatg gtaatatcca agcttccaan gntggttgctg atatcattcg tacaacattg 180
ggctctcggt ctaggttgaa gatgcttctt gatgntgggtg ganggattgt tgntactaat 240
gatgggaatg ctactcgtcg tgagccanat gtcgnncatn ctgcagct 288

<210> 13391
<211> 83
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G7

<400> 13391
aggtgattct ctgttccgtc gtatgnnagc aactccggtc gctgtgcgtg ttcacgacgt 60
gatcgtcaag ggantcgnta agt 83

<210> 13392
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-G9

<400> 13392

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ggagctgaat agcggatttg tataagggtta ttattagtct tctctatcgt tgcggcggtc 60
ataagttgga gaaagtggta aagactgctt aagtatgtct gtttctatga gagatttaga 120
tccagctttc caaggagctg gacagaaagc tggatttgag atatggcgta tagagaattt 180
catccctacc ccaattccaa aatcttctat tgggaagttt ttcaccggag attcttacat 240
agtattgaag acaacggcgt taaaaactgg tgcattgcgc catgatatcc attactggct 300
tggtaaagat acctctcang atgaagccgg tactgctgca gttaagacag ttgaattaga 360
tgctgctcta agangtcntg cagtgcant atcgggaaat tcaaaggcca acaanactga 420
naa 423

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<210> 13393
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-H11

<400> 13393

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acccaacgtc cgcaaaatct ctcttacta atatctctct ctctctctct ctattgttga 120
agaagactca taatcggaga ttgtttgttt ttggtttgct ctgtaaattg gngaagtttt 180
gttagagatc aaatggctgg gatttggtgc ggtgtgttg gagagactga accggcggca 240
ccggttgatt caacttctcg agcttctctt agacggaggt tagatctact tccgtcgatc 300
aaaattgttg ctgactccgc cgttgctcct ccgcttgaaa actgccgtaa acggcagaag 360
cgtgagacag tagtgctctc gacgttaccg ggaaatccta gatctggatt cgaatgtgag 420
gagtgaggaa taannaaggn ganattaacg gggtangaat tcaaaattct gggttaacngg 480
aagcnaaana antttccttt ccgnangttn cctaaa 516

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<210> 13394
<211> 447

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H12

 <400> 13394

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 ggagaatgta attctctcat gtatgganag caanaactct caacttggtg accancttct 120
 cagtgagtgc aatcttattg ggagtatact agaggcggn aaggactcca nattaactgc 180
 tggtgattct gataagcttc agcctacagt ccctgcagag ggtaanaagc cantcaggat 240
 tggtaacatc ggtcatttga ctcgatatct caacaaactt cttcagctag ctaatagcaa 300
 tgtcnaaatt cagtcacatt tgcaggaaaa taacatatgg gtggactggc aaacangatg 360
 tcatgtcgaa gcgtaataca ttggaaaatg tctactcctg ggccctgcggg aaggctactc 420
 acccaatgat cntngtagan atantng 447

<210> 13395
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H2

 <400> 13395

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 caggcagccc atggtacgga tccgaccgag tcaagtactt gggtecatte tctggcgagt 120
 caccgagcta cettaccgga gagttccccg ganactacgg ntgggacacc gctggacttt 180
 cagctgatec cgagacattc gcaaggaacc gtgagctaca agttatccac ancaggtggg 240
 ctatgctcgg agccctange tgcgtcttcc ctganctttt ggctacgaac ggagtcaagt 300
 tcggaaaggc ggtttggttc aaggccggtt cacanactt tagcgatggn ggactcgatt 360
 acttgggaaa ccctancttg gtcnacnctc agagcanttt ggccatttgg ggcaatcaat 420
 tatcttgatn ggaactgttn aagg 444

<210> 13396
 <211> 70

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H3
 <400> 13396
 aatgtccgac actggtggga tttctcangt ggcgacacaa caggcgtttg gnaacctgct 60
 gtgttttgggc 70

<210> 13397
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H5
 <400> 13397
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 ttccagaaaa ttcccattac ctaatcccca ggattcgatg aaccagaaa tgatgggtttt 120
 cgaaaggctc tagctttctc aaatccagat tttgctgagg agctcgttga aagaatgcan 180
 aatagaccat ctctctcttg tcctttgtct ttcagatcgt ttctctttca nggtgatatt 240
 agagtataat actagatanc gtgaggctct ttgtattant ggaccttgag ttgtcntgtc 300
 taagtgggat aanccttctn gtgaacattt tcttggtcag ttcatttagt gaactttttt 360
 tgggtctcgtg aataantaaa agttttcntt ttcgggcttg atnggtaaag anaatcagtt 420
 ggaganaaca aantgtggan tcaat 445

<210> 13398
 <211> 104
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-H8
 <400> 13398
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 gttcagccat cgaancacgc aacctttggt ccccaaactg ctng 104

<210> 13399
 <211> 474
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A1

 <400> 13399

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 aactattgac tgcaaaatgg aaggatatag ttttgaagct ctgcagtgcg tgtaagatag 120
 aggtgaaccc tgaagacaga gatgcagagg cacgtgtgaa tgctgtaaaa ggactcacat 180
 ccgtgtgtga gactcttact cagaaaaggg ctagcgatcc tggaaatgat gacctgtctc 240
 tttttcttct tatcaagact gaagtgatgg atactttact gaaagctctt gatgactatt 300
 cagttgataa ccgaggtgat gtaggttcct ggggttcgtg aagctgcagt ccatggtcct 360
 tgagaagtgt acatatatcc ctctgtaaga aaatggaaac atatccanaa gggtgattat 420
 aaccaatgaa acgtccccaa cttttcgant ccnaatcctt gcnaaccctt ctaa 474

<210> 13400
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A6

 <400> 13400

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 agcttcaaca ttggagcatc ggcgatccaa gtcggaagtt cacttacctt cggataacgc 180
 gactctgacc tatcggaat atttcattga cctcatatgg agtgtgtcta attgctagtg 240
 gttttgtggc ttattgaagt cttgggaata gtatattgag gatgctattg tataaagaaa 300
 gtatggaaga tcttcggnta tcaccgctga aattaggtan ctttaagtct tcattgtcag 360
 ggangtctac tccaaggggt tcacctanac ttcggaaaagt gcattcaggc aaggactcca 420
 cntananagg gtaaggg 437

<210> 13401
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A7

 <400> 13401

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 aatgcgatcg agtgccttgg taaactagat taatctctgc tatgtcgaat tggagacata 120
 aactatggag aaaattgagc tcatttcaga gagctagtta ctcaactaca tcttcaagaa 180
 acaacaattt aaagcttgat gaccttagaa aactccggcc aatgattcta aagagaatcg 240
 aaaatcgagc taaagattac ccggttaaag agattgttcc tgtagctgaa gaaatcctta 300
 tagctaagaa agaattctaat cagtaacatc gccgctcttc ttaaggngtt tccngtcttg 360
 aatgcaaatt cggttcanaa ntgtttgttg gcaaagaagg gcatttgatt gaaanatgtc 420
 gtanttaaaa cg 432

<210> 13402
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A8

 <400> 13402

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 aaacctctga gctccagctc accctcgata aaaactctgg gtccgggttt gaatcccaat 180
 tgatttacgg atcaggatag ttcaacgtaa gaatcaaggc acctcaaact acgtctacgg 240
 gagtcattac ttctttctat ttaatctccc gttcaagccg ccatgatgag ctctgtttcc 300
 agatcttggg aaagaatggg ccaccgtatt tgctgaatac gaatatgtat ctgtacgggtg 360
 aaggaggcaa agatcagagg tttcgtcnct gggttgatcc aacaaaagat tacattccta 420
 cagttttctt tggaacccta atcaacttgt gttt 454

<210> 13403
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-A9

 <400> 13403

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 aaaaatcact cctttttcct ggattttgtt ttctcgactg atttggggaa aagctatggt 180
 ggtctgatta atctctgtct gtcnttgggt agatgggttt ggatgctgtt aaagctaaag 240
 ggaattggaa atcggagaaa cctaaagaga ctgagaataa gaatcacaag aagaagaatg 300
 gtgatgataa taaaagtaga antgaanaag aagaagangg agaagcaagt ggttgctggg 360
 tcaaatttaa gtttatgatt ggttgcatat cttcaanaat caagaccttg atgcctcgtc 420
 ntcttctaac naangncta antgg 445

<210> 13404
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-F7

 <400> 13404

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 agtgaaatgg ctttttgcaa taagctaanc cgtttcgtga ggancagag tgagaatgct 180
 tccatgattg gctctctcag gtctttctct gctgatgcca ctancataa gattccacca 240
 ngagactcac aattttcttg agccatatta ctatattggt agctgggaag ctccgagtga 300
 tccgaaagat gcanagagaa anttgctcag ctttaagagag attatgctaa taaaagttcg 360
 agtgtatcgt aaagaagtac attcatgaag attgagatgc ttcgtgttga gaaacaacgt 420
 taaggatnag gctagattgt ttggctgaaa caagctgcta attaa 465

<210> 13405
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-B1

 <400> 13405

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 tctagctccc aaaatcgggc cgctaggtct cgcaccaaag aagatcggag aagatatcgc 180
 gaaagaaacc gcaaaggaat ggaaaggatt acgtgtaacc gtcaagctca cagtgcagaa 240
 tcgtcaggcg aaagtgcagg tggttccatc agcagcagca ctcgtcatca aggcgttgaa 300
 agagccggag agagatagga agaaggtgaa gaacattaag cataacggga acatctcggt 360
 tgatgatgtt gactgagatt gctaggtncg tgagacctaa ttcaatgca aggaatnagt 420
 tggacaatga ngganaatct gggaacttgt gtgtccgttg gttt 464

 <210> 13406
 <211> 87
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-C3

 <400> 13406

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 ttggtcgcan gaaatcaaag agtttta 87

 <210> 13407
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-C5

 <400> 13407

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cgagctttac tcaactgcgac ttcctatggt aaccgatcaa ttagctcttc gatcacacca 120
 gcgtctgatt tcccttctgt gtcggcgggcg gtgttaaaga gatccgttat agggcggttcg 180
 acggaagtag ctactcgagc accggcgaga ctgttttcaa cgaggcagta caagctttac 240
 aaagaagggtg atganatcac ggaagacact gtgttggttcg aaggatgtga ttanaatcac 300
 tggcttatca ctatggattt ctccaaagag gaaactccta attcnccana agaaatggtc 360
 gctgcttatg aanaaactgc gcccaaggac ttgcatcanc gtggnanaag ntaancaaag 420
 ntgtncgcnt gaacanaact acttacaagg attna 455

<210> 13408
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-C6
 <400> 13408

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 cgcgtccgaa aaatctcctt ccttcttctc nctanagatg tnttcaacaa tatccctaaa 120
 gccgacgcac cttatcctct cctctttctc cacaggcaaa gtccctccaat tccgccgctc 180
 ccgtttcagc cacacaccgt cgtcgtcgtc gtctcggtat cggactctcg tagctcaact 240
 cgggttcaga ccagattctt ttgatttcat caaggancat gccgagaatc tgctgtanac 300
 gatcgctgat gccgccgttt cgtcctctga aacctttgaa tctgtcgccg gcactactac 360
 caaaacganc cagagcaatg attggttctc tggatttgct aattacatgg aaactattct 420
 caaggttttg aaagatgggt tatcaactgt acatgttctt taatcctatg ggnttcgcta 480
 acaantctaa tgactgtgct tgttaagggt ggctaacttt cccaattaaa na 532

<210> 13409
 <211> 542
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-D1
 <400> 13409

nnnnnnnngng gtgngantgg tctacctggg ctctacnngg cccggatata ccggatcgac 60
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 gcttacaacc atttcggaaa aggacttgtg cagaggatgc ctatgggtccg atgggggtttc 180
 gtccacgttg tcaacaatga ctacactcat tgggagcttt acgcgatcgg tggtagccaa 240
 ggtcctacca ttctcagcca tggaaaccgt ttcacgctc ctctcacaa acaacactac 300
 agagaggtga caaagaggga ttatgcttca gaaagcgaat ggnaaaactg gaactggaga 360
 ttcgagaaaag atgttttcat gaacaatgca tatttcagac aatctggaaa tcctcatttc 420
 aagtgttccc attctangna acanatgata aagcccaaaa atggnatggg cgtttntaaa 480
 cttntcaa at nngcccgggc antnggttgc ccggtccgga aancatgcta aaaatattac 540
 nc 542

<210> 13410
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13410

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 gcgaattcgg atcggtgac gcagctccga ttgcacaaca atggcttctc gtatcatcaa 120
 tcattccaaa aagttgaaac atgtttccgc tttactgcgg cgtgaccatg ctgtggcagt 180
 ccgctgtttc tccaacagta cccaccctc tctcgttgga agagaagata tcttcaaggc 240
 ccgcctgaat tattcctctg tagagagaat ttcaaaatgt ggtactggca atgtaacaat 300
 gcttagtggt atttcaacaa cgagcacaaa actaagcanc ccaatggcan gacccaaaact 360
 atttaaagaa ttataagct ccaagntgcg atnagtgaga ggatttcata cagttcagat 420
 tcttctctc acaagagatt gggaag 446

<210> 13411
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-D2

<400> 13411

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 angccnangc tnnccgcncc gcttggggaa nccncnattn taaagctcca ccctttccct 120
 ttcaacctct ctctctccat tgttgacngt ctctcttccc tcgtaaacat cgctgtctct 180
 aaagatggcc tctctctcag gcctatactc ttcttctcca tctctcaaac ctgccaacaaa 240
 ccattccttt aaagcattgc cggcgcaatc tcgagattcc ttctctttcc cacatactc 300
 caaaccacc aatctaccgt tgactctctc ctccggctcg tctgtggcac gcgacatttc 360
 tcatgcggat tcgaaagaaa gagcttccca aaggattcgg atgcgttggtg gaagcgatac 420
 ctcnattggt ttatcagcaa gaaagaacct gggttgtatc tggatattaa tccggtcggg 480
 nttaacgatn antttgtggc tgaaaaggga gccaaagg 517

<210> 13412
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-D9

<400> 13412

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 cctcttttga tctttgtttg acttctgac aacttctcaa ctttgtactt gcaaggcttg 180
 aaaaatgagg cgtgagtctc catggctatg gaaagtagaa agcagacggc ttctatggct 240
 attaggactc acatttgctc tcattgttac ctttcaatac atcgagctac cgtacgctat 300
 ctcatccatc ttttcttcca ccaagattcc catttcaaga aactcaactt cacttatagg 360
 taactcgact tccgctatag cgccgagtcc cgcgggagat gaaggaagaa gttgaagggt 420
 gatnangata tatgataagt anccggaaa 449

<210> 13413
 <211> 52
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-E1
 <400> 13413
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<210> 13414
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-E10
 <400> 13414

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 ggttatagaa agaccagaag cttcaatcat gggcgtgggt acagtgatga gaaagcagat 120
 aggcttaatg agctatgtcg aggaccaagg agtagtgatt tcaagaatcc acaagttctt 180
 aactcttcaa tgctagatgc aatgaagcaa gacgtttcag cagtagatct ccagcgctac 240
 aatggggaga atttccttga atcatttgtg aaagcaaaat tctttgtgat caagtcatac 300
 agcgaagatg atgttcataa ctgtattaag tatgggtgcat ggtcgagcac accaactggc 360
 aacaagaagt tgaatgctgc atattatgaa gccaaagaaa actccaaga atgccctgtg 420
 tatcttctgt tccngtgaat gcaa 444

<210> 13415
 <211> 270
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-E11
 <400> 13415

anncaacaag aagtagtant ggcttctct atgctctcct ccgccgctgt ggttacatcc 60
 ccggctcagg ncaccatggg cgctccattc accggcttga antcatccgc tgcattcccg 120
 gtcacccgca ngaccaacaa ggacatcact tccatcgcaa gcancggggg aagagttagn 180
 tgcatgaagg tgtgnccacn aattggtaat angaagtttg agactctatc ttacctcnct 240

gaccttattg acgtcgaatt ggctanggaa

270

<210> 13416
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E2

<400> 13416

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ctctccgctt ggcaaagtgt caatgatggt ggtcctgcag ctaaagaatt ggctccaaag 180
cttgatttgg ttaaggcaca tttatcttct agattangag taacattgcc caaaatagag 240
gtgagacaag tcgttgctac tattattgcc ctgaaaggag tcggaggctt actctttgtt 300
atcggaaca ccttcggtgc ttatcttctg gcttcctact tgggtggtttt cggtcctatt 360
ctcctaagat ttctacaact acggacctca ngaacgtcaa ttctctcttc tgtngacaga 420
attcttgcag aacgttgcac tcnttgggag cgттаатснт c 461

<210> 13417
<211> 104
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E4

<400> 13417

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tgtgggagaa ctaagtgtga tgttacagta cggaaggat ntga 104

<210> 13418
<211> 220
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-E6

<400> 13418
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cnaggaagtt ccaacagaaa cagttctcag cctcancttc ggngtttcca gagccaccac 120
cgggtgtctcc atcttcgggt gtaggancat ttctgggtat tcccaanatt agtcgctcng 180
aatccgattt attagtctcc aagtacatca naattgccca 220

<210> 13419
<211> 461
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-F1

<400> 13419
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ttcaaagtca ttgatggcat tctctctgat ttcagcaaga tctttaagtt tanatttgct 120
cacttgggtg gtgatnaagt aaatacaact tgttgggtctg caacaccgcn aatagcccaa 180
tggcttaaaa aacatcggt gagtggnaaa gaagcctatc aatatttcgt gttgcgggcy 240
caanaaatcg ccttgtctca cggatatgaa attatcaact gggaagagac cttcatcaat 300
tttgaagca anttaaaccg gaaaaccgtg gttcacaact ggcttaacac agggactggt 360
gagaatgtga ctgcgtccgg ttttaagggt atagntagta accaagaatt ttggtatttg 420
ggttatatgg acncaccttg gcaaggcttt acccaacgaa c 461

<210> 13420
<211> 460
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-031-Q1-E1-C2

<400> 13420
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aaaaattccg cgacttgggc tttgatccat tcccagtga tctcactgct tttctcacag 120
aaaaaaatca ctcttttttc ctggattttg ttttctcgac tgatttgggg aaaagctatg 180

gtggtctgat taatctctgt ctgtctttgg tgagatgggt ttggatgctg ttaaagctaa 240
 aggggaattgg aaatcggaga aacctaaaga gactgagaat aagaatcaca agaagaagaa 300
 tggatgatgat aataaaagta gaaatgaaga agaagaagaa ggagaagcaa gtggttgctg 360
 ggggtcaaatt taggtttatg attggttgca taccttcaaa atcagacctt gatgcttctt 420
 cttcttcnat ctatggctct aactgcactg ttacaacaat 460

<210> 13421
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-F11
 <400> 13421

gcggacaaca tggtgaatat gatcaacgtc ctgatatgtt tagagggaca gttagatacg 60
 caagtgcaca tgctcattta gggagaactg ctagcagaag ggatgatctg gaatcattag 120
 catatacact gatctttctt caccgaggta gattgccatg gcaaggatat caggagata 180
 acaagtcatt ccttgtttgc aaaaagaaga tggcaacatc gccggatatg ctttgttggt 240
 tttgtcccc tcctttcaaa caatttcttg agatcgtggg aaatatgaaa tttgatgaag 300
 aacccaacta tggaaagtta gtatctctgt ttcaagacct cttgggcgaa aatccggcaa 360
 ttaggcctat aaacacagag ggtgctcaaa agatcatatc caagttggcc anaancnaag 420
 taggttaaca ttggggaaga ag 442

<210> 13422
 <211> 455
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-031-Q1-E1-F2
 <400> 13422

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 ctctcctctc ttctccgaaa atggcggttac aaaacaaaga agaagagaaa aagaaagtga 120
 agaagttgca aaagagttac ttcgatgttc tcggaatctg ttgtacatcg gaagttccta 180

taatcgagaa tattctcaag tcacttgacg gcgttaaaga atattccgtc atcgttccct 240
cgagaaccgt gattgttggt cagcacagtc tcctcatctc tcccttccaa attgctaagg 300
cactaaacga agctaggtta gaagcaaacg tgagggtaaa cggagaaact agcttcaaga 360
acaaatggcc gagccctttc gccgtagttt ccggcttant tctcctccta accttcctaa 420
agtttgtcta ctgcgcntta agttggntcg cgtgg 455

<210> 13423
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A7
<400> 13423

gccccaaatct gacgcttctc tctctctttc tggatatctgc gtttgattcg gagaagaaaa 60
aaaaaaaaa aggnaaagag agagcttcaa tggagttagc ttcttnnggt ggtaaagctc 120
tgtttgtttc cgtatttctt ctctccgcat ggcaagagtt caatgatttt ggtgaanatg 180
gtggccgatn agctaaatct ttgaaaccaa aattcaatgc ctttgtaaac catgtgacaa 240
ctcacactgg ccagcaattg ccaccaagtc natatgaaga ttcttgttgc tgctgctata 300
nccttgnaag gtattggggg actaatgttt gtccttgga gctcaatggg gaacttaact 360
cttgcntctg catcaaagcc cttgcnaaac caaattctgt atgantnta naanctncga 420
aagttgnca 429

<210> 13424
<211> 603
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A9
<400> 13424

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tccccgggg ggtnnggaan cccccaaaag gccggtncng ggcccaaaag gcnggtnc 120
ggtttaaten aaatggaana ataacaacta atcaaaaatc ctctctctcc taatttccta 180

gataaaattc ctctgagagt gttttttttg ttttccttct gacaaagaaa tatgtatgta 60
gtgaagcgtg acggaagaca ggaaactgtt catttcgata agattactgc gaggcttaag 120
aaacttagct atgggcttag cagtgaccat tgtgaccctg tcctcgttgc tcagaaggtc 180
tgtgccggtg tctataaagg agtcactacg agtcaacttg atgagttggc tgctgaaact 240
gctgctgcta tgacttgtaa ccatcctgat tatgcatctc ttgctgctag gattgctgtg 300
tcgaatctcc acaagaacac taagaagtca ttttctgaga cgattaagga tatgttctat 360
catgtcaatg atagatctgg actaaagtcc ccactaataa ccgatgatgt gtttgagaaa 420
attatgcaga acgctgc 437

<210> 13427
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B11

<400> 13427
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ccgccaaact ccaatttntt ttgtttctct caataatatt tgtgttcata ctgtttcgtc 120
gtttccaata cataactaatg gataacacaa accgtcttcg ccgccttcac tgtcatanng 180
aacccaagtt cactcntagc tctcaagaag tgagtagtat gaaatgggag tttatcaata 240
tgaccgaaca agaagaagat ctcatcttta gaatgtacag acttggtggc gacaggtggg 300
atttaatagc aagaagagtg gtgggacgtg aggcaaagga gatagagaga tactggatta 360
tgagaaattg tgactatttc tcccacaaat gacgcaaaaa gtcactctcn ttaaaaaatc 420
tcgagaatct ccctgttttt cnatttctca tcctcattaa ataatttctg tgattgtgga 480
caagaaaagc ttattaagtt gtcgagtggg g 511

<210> 13428
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B12

<400> 13428

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 aaaaatcact aagagagaca ntctaaatgg cgatgattac gcgcaaacac cgccangcgg 120
 cctccctctc ctccctccaat ctcaacggcg ccgtcgccgc tgcctcggtc tctcagctcc 180
 acannngggt tggcgctctc tctccctcna catcaccgac ttcctacacc agacctggtc 240
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 nggtcgaatg atctcatgan actgggctcg taccgggacg gatttgggcc taatgacctt 360
 tgggtctcgc ttgctgcgcc cgtcgaanng atgnanacng ggtgctgctc cgcnnacgat 420
 ntcgatngat tcgggtanca tcttcagggc taa 453

<210> 13429
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-B2

<400> 13429

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 acgnntggga tcgaattaaa gtcaatggcg tcacgtttat gtcttctcct tctcgttgcg 120
 tgtatcgccg gagcatttgc cggagacgtc atcgaactca atcgatctca gagggagtgc 180
 gattatttgc ctctatctct tcaatggcct ggaacctatt gccgtggaac tcgccattgt 240
 tgctccaaaa acgcttgctg cagagggtcc gatgctccaa ctcaattcac aattcatggg 300
 ttatggcctg actataacga tgggtcgtgg ccttcatgtt gttatcgatc tgactttaan 360
 gaagaangag atttcaacgt tgatggatgg tcttgagaag tactggccta gtctcagttg 420
 tggttcccca tcanncatnc aatgggtggg gaaagggtca ttttgggggc cacgagtggg 480
 aaaaaacatz ggacttggtc ttcnccctgg tttt 514

<210> 13430
 <211> 72
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B3

<400> 13430

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ttngttacct tg 72

<210> 13431
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B4

<400> 13431

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aaggatttct ctgttggtct ctttagcctt agttctagcc atcggggtccg tcnnngnnca 120
cccacctacc cacaagaaat tacaaaagac cttgtgtcca tctactttgt ccaaagttca 180
agctttccct taccttgaag tctctagctt cgtcgagaag aagggttcagt tcgcaccaaa 240
aaccattgcy ttcaagtctt tggtctccat ctgcaangag ctacatcgac tttcttgggg 300
gcgtaagtt ttctgcntcc agagatgtgt ttcacgtcgt tcatgtcaaa ngtcacttnt 360
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gc 422

<210> 13432
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B6

<400> 13432

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cgtccgntaa aaaattttatt taaatgataa cgaaatttac atctccattt cgattgattc 120
gcttcttcaa ctctctctct tcttcttctt ctatttgctt ctgtgaaacc ctagattttg 180
gngngaggaa gaanacttca atggcggaag aagtagcana gaacgttaac gcagtcccgg 240

tttcggaaga cgagctttac ggattttaac gatcggagat gtacagtggg actctcgccg 300
 gttccgttgg tccgtacggg cgtcatgttt tccnttgta chatagtcac ganacttggn 360
 ttctcgtgt tgacagtga ngacttntc agccgtttcn gcgagngttg ttttaaggatc 420
 gtnacacc 428

<210> 13433
 <211> 251
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-B7

<400> 13433

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 cgtcnccaag gcaggagata aacaggagaa gaaggtagaa gcancaacct aagaaagaga 180
 tgtcaagaag aagaatttca ggatatagca atagatgcag tattccggaa aggatgatga 240
 tgaaattctc c 251

<210> 13434
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-B8

<400> 13434

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 tgtggtgcct taaacatccc gagtacgggt atcgacaagg gatgcatgag cttttggcgc 180
 cactgcttta tgtacttcat gttgatgttg atcgtctctc tgaagtgcgt aaaagttatg 240
 aagatcattt catagacaga ttcgatgggt tatcttttga agaaagagat attacttaca 300
 actttgaatt caaaaagttt ctggaggatt tcacggatta tgaaattggg ggtattcang 360
 ggaattcaa nagaaaataa agagtctaga tgagctcgat cccgaaaatc caagtctant 420

gtgangttaa gtgatgccta atggaactga aag

453

<210> 13435
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-B9

<400> 13435

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tccagatatg gttgggaatg cttttgtgcc ccagtattat cacatattgc atcaatcacc 180
tgagcatgtt cacagatddd accaagagat tagcaagtta ggtcgtcctg aagagaatgg 240
tttaatgagc atcacttcta ccttgcaagc tattgacaag aagataatgg cgcttggtta 300
cgggtgtaatc agtgcagaga tagctactgt ggacacacaa gaatctcatg gangtgggta 360
tattgtactg gtgactgggt ntttgacggg aaaagacagt ntcagggagg acntttatca 420
gacct 425

<210> 13436
<211> 329
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-C1

<400> 13436

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gaacaattga ntggnnagac tcctgttttc tccaangnnc gatacactgt tncgttcttt 120
tggataaaga cgtaatgaga agantgcttg ctatgtgact gtcaaggagg agaangcaat 180
gcanctcctt gagagtggat tgaaagttaa agaatacgaa ctcttgagaa ngaacttcag 240
cgacactggg tgctttgggt ttggtattca agaacacatt gaatttgggt atcaagtatg 300
attcatcgac tggaaatcta cggatggac 329

<210> 13437
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-C2

 <400> 13437

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 ctgagtacga caaagaacca tgatgaatct ttctttctgt cgcgcctctt ccactctcac 180
 attgagcttc actgttctcc ttttagcttc cacagggttc tatggctcaa cattcacatt 240
 cgctaatacgg tgcgggtaca ccgtatggcc tggaatccta tcgaatgctg gtcacactac 300
 tctctccacc accggatttg agctccctaa aggcanctct cgtctctctc aagctccac 360
 cggttggctc ggtcgattct ggggctcgta ccgggtttca agttcgacag ttctgggctc 420
 cggtagatgc aaaaacggtg actgcggtc naanngctgt cnaaatgcgc cgggcttggt 480
 gccgcaccg cntgtaactc tcgaggagtt aatctng 517

<210> 13438
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-A6

 <400> 13438

 nggtgtagag gaattttcnt ngccgttgta gcggtaactg cgnctccggg tggccccacg 60
 cgtccgagca aaactatgta ccggcaatgt tcttttccaa aatgattctc cggctacttt 120
 acttgcaagg gtcacggta taatcggatc aattgaccaa gaaatgcttg ccaaaggacg 180
 tggngggatg caagtacttc accaaaaatc atttactata tgagaggaac caggagagta 240
 anaatttgga gtanctaata ccgaanaagt catcgctnan gcgtatacta ccaatgggtg 300
 accaaggctt catatacttt gtggcatann tgctccaagt tnatcnntag aaacgcccgt 360
 ctgcatttga agctcttaag cancttgggt tgacntatcc ctacnaaccc atntctggct 420
 gatcttgtaa gtgcatcaan aatcanntgg atgacaanct ttcaag 466

<210> 13439
 <211> 206
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-G10

 <400> 13439

tcangagctc acctctanta caactgccct atcggnnact actttgnata tcnagcattc 60
 gctatcgggt ctcggtcaca agctgcgaan acctatctgg agcgcaaatt cgagagcttc 120
 caagaatcat caaaagaaga tctgataaaa gatgctatta tggccataa gggaaacttt 180
 gcaaggggaa aactgaaga ntcgct 206

<210> 13440
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-G12

 <400> 13440

gtttcagaa gcgaaatggt tgtctctagg agtctctcga gacactgctg gaggacttgt 60
 aaatggtctt tattttctct cctccaatcc gattcctgtg ttaggnanct ggtttcgtca 120
 tcgaatccgg ttacgagcat tggtaactca agtgaaggta attcgaattc gtttcagccg 180
 ttgatgaatc aagtgtttta aggatggtct cgaggatgtg caacatcgag aggaaggagt 240
 atgangagca aagttgagag tanaatgcgt aaagagtctg gtaagacgtt aagagagatt 300
 aggagagcga agaagttgaa gaagaaactc atgactgatg aagaaaggct catttacaat 360
 ctcaaaaggg cgaanaagaa aagttgcgct ttgttgcaaa agtcaagaa gtatgatctt 420
 cctgagctgc cat 433

<210> 13441
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-029-Q1-E1-G5

<400> 13441

```

ggaaaaaagg ggtctccttc aaacattctg cagagggttc tggtatggac aaacaagaag   60
atgaaaacaa tgatggggag gctcttgacag attttgagaa aattatgact gtagaaagga  120
gcacagtgtg tgatgatagt ggtgatggta caagtgaagg agatggagct aaagagctaa  180
atgatactca gtgtaatggg aatacgttgc accaacaaaa ctccaaactc tctttgttan  240
gacatggacc gcacgggaaa cagatcgtag aatatccttt aagggaacat gganaagatg  300
gtgtacgtaa ttctgtcaaa nggtggagaa aatgttggtg atccgttcac ctccgcattt  360
actggtggtt ggatgttate acaattggcc aaaaaaactt t                               401

```

<210> 13442

<211> 66

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-029-Q1-E1-G7

<400> 13442

```

nacagaganc agatgtgcga tgttttgctt gtgaaaaact cggataaaac ctgctctaaa   60
atcncc                                             66

```

<210> 13443

<211> 255

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-029-Q1-E1-G8

<400> 13443

```

cgtttgtttt ccggtttgcg agacatattc tatcggatc tcaactgtct gatgaaataa   60
atatgtaatg ttctataagt ctttcaattt gatatgcata tcaacanana aaaaaaaaaa  120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa  180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gngggcncc caaaaggntc  240
naannttant taccc                               255

```

<210> 13444
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H1

 <400> 13444

 tangcattgg tagacatgcc tttggtgacc agtatcgtgc cactgatata gtaattaaag 60
 ggccaggaaa gttgaaaatg gtttttgtcc cagaagatgg aaacgcacct gtggagctag 120
 atgtatatga tttcaagggc ccaggtgtcg cacttgctat gtacaacgta gatgagtcaa 180
 ttagagcttt tgctgagtca tctatggcga tggcattaac taagaaatgg ccattatact 240
 tgagcaccaa gaacacaatt ctcaagaaat atgatggcag atttaaggac atatttcaag 300
 aagtttatga ggcgaattgg aagcaaaagt ttgaagagca ctcaatctgg tacgagcacc 360
 ggttgattga tgacatggtg gcttacgcag tcaaaagtga aggtggctat gtctggggcn 420
 tgcaaaa 427

<210> 13445
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H10

 <400> 13445

 nnnnnnnnaa nggtntgtct gcctggtcta nngatccaca atcccgggtg gccccacgcg 60
 tccgcttaca ttgggacaca cctcaccgag actaccatta ggaaggntaa gacacagaca 120
 cntantgagg nttctcggat tttgctcaaa ccacgagacg aatctacttg tctatgagta 180
 catgccta at ggtagtctcg gtgaggtgct tcacggtaag aaaggaggac acttgcatg 240
 ggacacacgt tacaagattg ctcttgaagc tgctaaagga ctctgttacc ttcacacga 300
 ttgttctcca ttgatcgttc acagagatgt caaatcaaac aacatcctcc ttgattcaaa 360
 ctttgaagct catgttgctg actttggtct cgctaaattc cttcaagatt ccggtacttc 420
 tgaatgtatg tctgcaatcg ctggctctta cggttacata ctcccagagt atgcgtatac 480

gttgaaggta gatgagaaga gcgattggt

509

<210> 13446
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H11

<400> 13446

cacagatacg gcgtgtggta ataaataatg tcttctggct tgaaaatcat agaagaaccg 60
caaaaaccga ttgagaagct gcagatttat ccgacggcta atgctgggtt ttctcccttt 120
tggcgagaca agtatgagcg agatgctaaa aagtattggg atatatttta caagcatcat 180
ggagacagat ttttcaaaga ccgcactac ttggataagg aatggaatag ctatttttcc 240
gttagtggga aaagtgtcat tcttgagggt ggctgtggag ctggaaacac catctttcca 300
ttgatcgcca catatccaga cttttttgtt tatgcatgtg attttcacca cgagccgtcg 360
aattggtcaa nggctcatga tgaatacaca gagacacgcg tttgtcattt gccttgtgac 420
ttgacagggg atggtct 437

<210> 13447
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H12

<400> 13447

ncttttgatt tggggagact tttgtttgcg ttttcttaga ttttgaaact ccctttttcc 60
aagattcact acttcgattt tgaattttta tccaaaagtt ctctctcttt aatttcacaa 120
ttgcgtttcg attttatggt tgtttttttt gtgcaaatcg aaaaaaccct ctttttagatc 180
tgatttttga ggttcttgat tttccaaaaa cttgtaattc agaatcatag tttcaattga 240
tttcttttat atcgctaata taagaaaaaa accgtctttt gtcttanggt ttctaatttc 300
aatcttgat tctcttcaa aaattataca tatttgtggt taccaattaa gggttcnaat 360
ctttgttttt ggtccggttt aaatcagaaa ccccttttaa aaacctgna ttcctaataa 420

aacgttggga aaaaat

436

<210> 13448
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H4

<400> 13448

aaaagatgat gttgatgaga tatttaatca agctagacaa ctaggagctg tagaaggacc 60
tcttgagcca cctccgagtt ccaggagttt cactggaact ggtagattgc tttctggtga 120
aaatgtgcct actggtaatc aacagcctga gcctgttggt cacaacattg ttttctggtc 180
taatggtttc actattgatg atggtccttt gaggaattg gatgatcctg agaatgcac 240
gtttctcgag agcattcgaa agtctgagtg cccgaaagag cttgagcctg ccgatagaag 300
agctccggtt catgtcaact tgatgcgaaa ggaagagaaa tgccctgaaa gacagaaacg 360
taggnittcaa ttcaagggtg ttggaaaact cnaaggggta acaatgaaag gtgcgg 416

<210> 13449
<211> 247
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-H5

<400> 13449

tttanccttt gatttgggnt ganttgatg anganaagaa gatagataga taggtaattc 60
ggattganat ctgcaatgaa tggctcagat tcaagcanca gggtcaaaat gccaatggtg 120
gtgtagctgn tcccgggtgct gctgcggctg aagcagcggg ggctgcagct ggagcngcgg 180
aagaggctgg cggagcagca cagcaaggga cgactcttaa atgtcggtna ttnggatgcg 240
aacgtta 247

<210> 13450
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H6

<400> 13450

atgtntgtct ggncgnncgg tccgganatt aagggtggcc gacccacgc gtcagccac 60
 gcgtccggag ttaagcagca cgttcaagca gttactcaac tcaggcatgg aacagctagt 120
 agcaaccgtg acaccaagaa tccgtccggt tctanacacc gtggctacca taagctacna 180
 nttaacagaa accgagtacg cagagaatga ggtgaacgac ccttgggtcc aaagacttct 240
 ccatcattc ganacaaatg cncgtggct ccaaccanta atgncatcca ncaactacga 300
 ctcgtttctg catctcataa ttgatttcat acttaagaga ctznaagtca taatgatgca 360
 gaaacggttt agccancttg gtgggcatca gcttgatcna 400

<210> 13451
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H7

<400> 13451

nnnggnnnnn nnnggaattg tcnnggccgn nctaccggtg agcacattcc cgggtngncc 60
 cacgcgtccg gaangctctt caagaattag ggtttcgttt tgaatcttct ctgattccca 120
 aatccaaaga tatgaagaga tcttcaggga gaaaggattc aaatttcata gaacaattga 180
 tactttacgt cgctagtgtc gcattgagta gcttggttct ctacgttggc ctccgtcaac 240
 ttgacccgaa ccgtgacgcc gctaaaaagt ctctcgagca caaaagagaa atcgccaaac 300
 gtttggttcg tcctcttatt caaaccaatc aatacgagga tgtgattgct tgtgatgtaa 360
 taaaccatt acacatagat gttgaatttg gttctattgg aggattggag tcaattaagc 420
 aaagctttgt atgagcttgt gattccacca ttgaaaaaga actgagcttt ttggctaagg 480
 gaaattactg ggtccccaaa 500

<210> 13452
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-H9

<400> 13452

agctttttca gcttctttgt tgaattgcga gcagaggtag aaatcagcag gaaacaaaaa 60
 tgttggtctt ttcttacttc aaggatttgg ttggacaaga agtgacgggt gagctgaaga 120
 atgatttagc cataagagga actcttcact cagttgatca gtatctgaat atcaagctcg 180
 agaacactag ggttggtgac caggacaagt accctcacat gctttcagtg agaaactggt 240
 tcatcagagg atctgtggta aggtacgtgc agttacctaa agatggagtc gatgttgatt 300
 tgcttcacga cgcagctaga agagaagcta nggggtggct tgattcctga aatatctttg 360
 tatctcccaa aacttgaata ctttcattcg gcgtaatggg ctttataatg aatattccct 420
 gag 423

<210> 13453
 <211> 267
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-A1

<400> 13453

caaanccttt gagaaactca naanggacac nacgagaatg tcaagaaagt catcaaaagg 60
 cntaagggta nggatgcntc caaaggacgg gcttgtctgc actggctcgt aagccctgga 120
 tcgctgttgg aatgaagaac gttgactaca agagagcccg gcatttcgan gttgacntgg 180
 ggggagttcc gtaacatccc ttgagatnaa caaaggagaa agatgactgg ctaaantgga 240
 gccccctggt aacatgggaa aananttt 267

<210> 13454
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-030-Q1-E1-A3

<400> 13454

nnnnnnnnng aagtgtttnt tngccgcccc tatcggttaag annttcgagg gcngacgcgt 60

ccgtaaaaaan ctacctcagt gaccatagtc tcactttcca atcccacaaa gtcattctaa 120
gtctttggag tgttgcattt gcaaagatgt ttacaaatgg gatgagtga agccattcat 180
canngattta cctaaccgat gtatcaccag aagcattcaa ggctatgatg aatttcatgt 240
atagtggaga gttgaacatg gaagacactg tgaattttgg caccgagttg attcatcttc 300
tctttctagc tgaccggttt ggagttgttc cacttcatca agaatgctgc aaaatgctct 360
tggagtgcct ctacagangga tggcgttccg ttttggaaga aggattctgt atgctcagtt 420
ctccaagtgg tttcgtnat ccacatgtaa accattgagg agatgtgcaa gangaattct 480
ccatgcactt cgactattgt acactg 506

<210> 13455
<211> 289
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-030-Q1-E1-A4

<400> 13455
ccaatgcctt cgtttctttt actatttgcc ctgatgtttc cttgggttac aagcatgtct 60
tttggaatt gagagcaact ttgtttaaat tttcggttgc aaaattttta gaagaagcct 120
ctgatatttt gtttctttta ttaaaggatc cctctttgta cagcaaaact cttgttaatt 180
ttggttcac accccaatta tcaaacttta tttttggcta aaaaaaaaaa aaanaaaaaa 240
aaaaanaaaa aaanaaaana aaannaanaa aaaaannaaa aaaannanc 289

<210> 13456
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-G1

<400> 13456
gtcaaaaaca acttaagaag ttgtctgca tacaatcaag cttgaaaact gtgaagaaca 60
ttattttacat tgaagaagat ggagtagatg ttgcttcnag tgatgtcaat agtatgggtg 120
atataactgt ttcgtcgatc tctgaagttg agaaacttgg gcagaagaac gctgttcaac - 180

cgatcttacc ttcgaagaat ggagttgctg ttataatgtt taccagtggg agtactgggc 240
 taccaaaggg agttatgatt acccacggaa atcttgtcgc aactgctgca ngagttatga 300
 aggtgggtcc aaagttggat aaaaatgata catatatgtc gtacttacct ttggctcang 360
 tgtttganct ggaanctgaa attgtggcct ttaccnaagg tatngccacc gggtanggnc 420
 aacnaatgnc tt 432

<210> 13457
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E10
 <400> 13457

agatttcccc atacttagag gtcaagagaa ataaaatatt tttccggcga cgcaatggct 60
 tcttactccg gttgtttctt cgtcggttact ttggcagttc tgtcacaatt tctcttagcc 120
 ccagcttcag ccttgggtcaa cagggaatac atcgattcca attgccaaag agtcaaaaac 180
 aaagccttct gcatccaaac tttgaccacc tatectctg ccgctgctgc caccggcctg 240
 ttaccattgg ctgaggccgt gggtggcctt gcaatatccc actgcgagaa gacagctggg 300
 ttgcgagcag agacagccaa aaaagggacg caaacatttg aaagaactca agtttcaacn 360
 aagttgcaa cgaacgnct aaggnttggg taanttttgg gcggttctcc taaaagaanc 420
 cgctcctaac tgggaaactc caagggaact ccaaccaaga acaactggnc caaacttaac 480
 gaacngt 487

<210> 13458
 <211> 558
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E12
 <400> 13458

nnnnnnnnaa ctggttcctt ttgccnggcc cgtaccggnc cgacattccc gggtngnccc 60
 acgcgtccgc tcagattcct attcgtctct gcaattgaat cttccggtag gcgaagatgg 120

cgacgtctgc gaggatttgt tgcggaggag gaagtgcacg cgccgttcgt tgtgatcgtc 180
 gcnegttaaa tttgaattct cgatcgatcat gtgttggtcc agtgacgaat cgacggaata 240
 tgtgtgcgat cggaagatt tcatgtcga tggaggattt gtcaccaccg tctgcggcgg 300
 tgaagattga aaggatcggg ggaaggaaac gcggtggatc tgttgtgtca agggagaaaag 360
 ctaagatgtg tggttgagaa gattcgggtg tttgagattc gtgaaanaat ccttaanana 420
 attcgccgtt taatggatgc aattttaata acgccgnag ggctaaatgg ggtgggtttt 480
 ggacnaacga acgggnaaac cgaaatccca aaagggccgg aaggaattgg ggccaanaag 540
 aattgggaan ggaaaagg 558

<210> 13459
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E2

<400> 13459

nnngnngaag tgtctctttg gnnngcnccg gtccggaaat taacgggtcg acgcacgcgt 60
 ccgaaaaaaa atataacctt taaattttct ctcatttctt catcttctc tccacaaaac 120
 ccattttaat ggcggaagtt agaaacccta caaaaaatca tcatggatcat catcatcttc 180
 atgctctctt gatcccatat ccatttcaag ggcattgtaa cccatttgta cacttagcca 240
 tcaagctcgc gtcacagggg atcacggtca ctttcgtcaa cactcattac atccaccacc 300
 agatcacaaa cggtccgat ggagatattt tcgctggagt taggtcagag tctggccttg 360
 acataaggta cgcgacgggt tccgatggtt taccggtcgg atttgaccgg tcgttgaacc 420
 atgacacgta caatcgtcgc tgttgcacgt gttccatgag catgtggaag aacntgtggc 480
 gaatcctggt ggaggagang 500

<210> 13460
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E4

<400> 13460

ntgnngaant gtcnttttgn nngcccggtc cgncataacg ggtcgacnca cgcgtccggg 60

cntactcagc accatcaatg gaccgcccgg agacgatcgc cgtcaaagtc gaacccatga 120

ccgttgactc tccttctcga cctctaaagc ttgtagtttt agctgacctt aatttcaatc 180

ctcctgagac tgatgatctt gactcatcca ttccaatccc tactcctcct cccatcacta 240

ggttgagtaa cgaggaaagt catcaagagg gaggtatatt aacatgcaag gaggtggaac 300

caggagaagt agaagccaaa aagatcagca aggtgggaaa atgccgctcc agaagtaaga 360

ttgagtcttc ctctgattgt ggagttgatg cagatggtga tctggctaata caaggggtcc 420

ctgcatcccg ggaagaaaaa atcagtaacc tcaaatggg tttgattcat gttgcaagga 480

agatgcccaa aaaatgc 497

<210> 13461

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-029-Q1-E1-E5

<400> 13461

ggaanctgga cgttcgtggt taaaccgacg acgtatttga aattggcttt gaaggaaang 60

tgaaattaat ggcggaatcn tcgtcgccgt cncctactga agagatcgtt cggttgatta 120

agcgtttaan cgcttacntt gctttcaaaa tgtcaagcct tttctccact acatcnattc 180

gaaatctgga ttcaagatca attggtgcga ttgcngggct tgcgattgcg gtgatattta 240

cgtgganggc gataanaacg cccggagagc aacgtcagag aangcagccg aancgtatga 300

ttcacaatgc tgaaacntct agtgctgcng ctgctgcttc tcagtcgaat ctaacttctt 360

cggttgctcc ggaagtttcc tcgcctcntg aggataatnc ggtgcaagat gttgtngatc 420

agttcnttca 430

<210> 13462

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E6

<400> 13462

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aaagctcgtc gtcgtcttca atggtgaatc tcaaaccaat tggataaata aaacaaaaca   60
aaaaaaactt cacaaaaaaa aaaaaaagat ccaaattaca accatgcctt cggagttaac  120
accagaagaa cgatcggaac taaaaaactc aatcgccgag ttccacacat accaactcga  180
tccaggaagc tgttcatcac tccacgcgca acgaatccac ggcctccgg aactcgtctg  240
gtcaatcgta cgacgattcg acaaaccaca aacatacaaa cacttcatca aatcctgctc  300
cgtcgaacaa aacttcgaga tgcgcgtcgg atgcacgcgc gacgtgatcg tcatcagtgg  360
attaccggcg aacacatcaa cggaaagact cgatatctc gacgacgaac ggnagagtta  420
ccgggattca gtatcat                                         437
  
```

<210> 13463
 <211> 75
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E7

<400> 13463

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tgcngacggc tggtataaaa agacgtggca tttcttctct gatttgtnt atttttatga   60
cgganaagat gaaca                                         75
  
```

<210> 13464
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-E8

<400> 13464

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gcctngtcgt tcgctgcagc catgtacggc ggagatgaag tgtcagctat tgtggttgac   60
ttgggttcgc acacttgcaa ggctgggttac gccggtgaag atgctcccaa ggccgttttc  120
ccttccgtta ttggggcagt agatggtgta gaggcaatgg atgtggatgt tgattctaca  180
aagactaatt cgaactctga ggattcgaag accgagtctg aaaaggaaaa gagcaaacgc  240
  
```

aagctctatg taggatctca agccatgagc taccgcagag atcatatgga ggttttgtca 300
 cctataaaag atggcatcgt ttctgactgg gatttggtgg acaatatatg ggaacatgct 360
 ttcaattgtc tgatgattga tcctacggag catccaatgc tgctagctga acctccttta 420
 aacactcaac agcag 435

<210> 13465
 <211> 401
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-029-Q1-E1-E9
 <400> 13465

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 atctcggata tgttatcttc ttgctctgat tatttttgtc tttctcagat tcttcgctat 180
 tttccagaat atctcaccag ataatcgagt cggcgagcca agaacggcat cgtttatgag 240
 gtttagtgat acacaacaag ctcagggaga ttttaatcta actttctctg gtgttttctt 300
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<210> 13466
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13466

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 gatgactcct tgtttgatct gatcataaga agaagaagac tatggccact tattacaaaa 180
 ctggctcaag tgagatttat tccagaccag aatttgtccc tggaaacgca atgaactaca 240
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agattcaagt gttgtcaagc cttggtggag tttcacaaat ggttgagatt caagattctg 360
 gttcttggag agatcaagaa gacaatgaca ggaatcgctt cccggtgatg aagcgtcctg 420
 gnctcagctc gcaaa 435

<210> 13467
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-F10
 <400> 13467

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 ctatcctcta gtaatggaat accttgaccg tgagacaaac aaagcaatgg caatcattct 180
 agttcagagc gtttttaaaa ataatactca cattgctact gctgatgagg tgtccgtttc 240
 cttcctcgat ttagtttctt ctttttagcat tctctattga tgtggagttt ctttttattg 300
 tttgttacag gtcgatgcat tgtttgaact gggcaaaggg tccatgaaag gattttgacg 360
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 ggtcaaagta tcctgg 436

<210> 13468
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-029-Q1-E1-F4
 <400> 13468

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 gcgatgataa ggaagaagcc aggaatggcg agtgtgaagg atatgccgtt gcttcaggat 180
 ggtccaccac ctggtggatt cgcgcgggtc cgatatgctc gccggatctc caacacggga 240
 cctagcgcca tggctatctt ccttaccgtt tccggtgctt ttgcttgggg catgtaccaa 300

gttggtcagg gcaacaaaat ccgcagggcg ttgaaggaag agaagtacgc tgcacgtaga 360
gcaattctac cgattcttca agctgaagaa gatgaaagtt tgtgtctgag tggaagaagt 420
atctagaata cgaagcggga tgtnatgaaa gatgttcctg gatggaaagt ccgtgaaaac 480
nttacaattc tgg 493

<210> 13469
<211> 425
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-F6
<400> 13469

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gagctactgg tgtaagagg ttgaagagta ttgggatgat tgatcatggt cctgggatga 180
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ctggtatgat tgttaccggg atggaagttg ctgagatcga tgggtgcaccg agaatgggac 300
caacttttgg tgctatgatg atatcgggac aaaaggcggg acaacttgct cttaaggctt 360
tggggctacc gaatgctatt gacggaactc tcgttggaac ctaagcccgg anctgtccta 420
accgc 425

<210> 13470
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-029-Q1-E1-F9
<400> 13470

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tctcctagct cgtgcaatct ctcaccatgg ttctgaccaa cgtggatctt taccagcttt 180
ctctggactc aaatccaccg gttcacgcgc ctcagcttcg tctcgtcgac gtatcgctca 240

cttangctga gactgatgtc gtcgtcnttg gtgntggatc ngctgggtta tctgctgcat 300
atgagatgag taagaaccct aangttcaag ttgcaantaa tgagcaatcc tgtaatcctg 360
gngtgggtgct tggccgggtg gtangctt 388

<210> 13473
<211> 454
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-C7
<400> 13473

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gggaagggaa aatgtcgana gacttgggtta cattcgcggg caggatacca antgactctg 180
ttaccgggag gtatgtacat gggatgtcct tgctacgtat caaagtgtgt tgctgattta 240
aagtctttcc acttagaatt ctgctgggtt gaatcgccga gctcaanaca aagactcatc 300
cgcacatatg accatgaagg tttagctgtc gcatcaactt attttactga tacaaaaatg 360
tgagcttctt cncatttatg ttccttggtc aatgttcaaa cctttgttaa tgttgccaat 420
ccaacttttg cnccanaatt atttgncttg gaaa 454

<210> 13474
<211> 317
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-C9
<400> 13474

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ccctctaaaa aaaaaagggc ggnctgtcta gaggatccaa gcttacgttn gcntgcatgc 120
gacntcatag ctcttctata gtgtcaccta aattcaattc actggccgtc gttttacaac 180
gtcntgactg ggaaaancct ggcgttacct aacttaatcg ccttgcanca catcncctt 240
tcgccagctg gcgtaatanc naataggccc gcaccgatcg cccttcccaa cagttgcgca 300

gcctnaatgg cgaatgg

317

<210> 13475
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D1

<400> 13475

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agctcccgca cccacgcccg ctccagctcc agctcctcct aacaaagtgg aagctctagg 180
aggaaaatggt ggaacaatat ttgacgatgg tgctttcgat catgtaagaa aggtttatat 240
tggtcaaggt gattctggtg tagcttatgt gaagttcgaa tacagaaaag atgggaaaag 300
agagacacgg gaacatggaa aaatgacagt gttaggaaca gaggagttag aggttgaatc 360
cgatgattac atcacatcaa nttgaanttc tgtcnacaat gtccttgggt ttaaanagtg 420
aaacggcaan ttcccntgtc t 441

<210> 13476
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D10

<400> 13476

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ttaaccatan cccgccaatt ccttaccggg tcggatctat ctgttgctgt tgtcgataaa 180
gccgtacctt gctccggcgc caccggtgcc gggcagggat atatatggat gacacacaag 240
aaaccaggca gtgatgtgtg ggacttgacc ttgaggagcc atgaactctg ggcacaaagc 300
ttgcagagag cttgactgat gatgggtctt gatcctgaag agttgcttgg ctggaaaaag 360
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atgag

425

<210> 13477
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D11

<400> 13477

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cgaaaaggcg taattgattt tggagacttt gtgagatcac tcaatgtttt ccataccta 180
gcttccctag aggagaaaac agactttacc tttaggcttt acgacatgga ctgcacaggc 240
ttcattgagc gccaaagggt gaagcagatg ttgattgcac ttctctgca atctgaaatg 300
aaactggctg atgatacaat agagatgata cttgatcaag acatttgagg acgcagatgt 360
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<210> 13478
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-028-Q1-E1-D3

<400> 13478

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tccgctgcat tcccggtcac ccgcaagacc aacaaggaca tcacttcac gcaagcaacg 180
ggggaaagaa tttagctgca tgaaagtgtg ggcaacaatt tggaanaaaa aattttgaga 240
ctcnatctta cctccctgac cttantgacg tcnattggc taaaggaatt gactaacttc 300
tccgcaacaa agttggattc ccntgtgttg aaattcnant ttaaagcaac gggttttgtg 360
ttacccttta ncaacgggaa acaactcccc nggtaacta cgaattggac cggttactgg 420
gnccaaatgt tgggaaanct tcnaatggt tccggatggc aaccognant nccgc 475

<210> 13479
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-D4

 <400> 13479

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 catgcctcca aagccactcg ctatgtacag ggatgtgatc tgctcgaagg cgagtggggc 180
 gaagttggaa gcatactctt gtggaaatta actgttgatg gagagccaaa agtgtcaaag 240
 gatatgattg aggcgattga tatgaagatg aatatgatcc agtggagggt gttagaggga 300
 cctctgaagg aagagtacaa tattttctcg aaaacgatga aagtnagccc taancaagga 360
 nggtctggaa atgtggtgaa gtggaacttg aagtatgaga aaantgatga naaagggggc 420
 tcacctanag aaggtccctc aantnctccn ccaaaa 456

<210> 13480
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-D5

 <400> 13480

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 cctccgatga tgcttcagct tggttcangc aacgaaggga atcataatca tatgggtgcc 180
 attggaggag gtggacctgt aaggtttcat aatcagatgt ttccgttggg attaagtctc 240
 gatcaaggga aaggacatgg ctttcttaaa cctgatgaaa ctggtaaacg tttccaagac 300
 gatgttcttg ataatcgatg ttctctatg aaacctatct tccatgggca accaaatgtc 360
 acagccaagc tcnancaatg ccgcatcaan aatctactaa tcggcctana gttanggcta 420
 ggcaagtcaa ngtagcgatc ca 442

<210> 13481
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-D6

 <400> 13481

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acaaagtatt 430
  
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<210> 13482
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13482

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aacagcagtg tcgaagaaat ggcacacaca attgtggaga agaaggggtgt cccagatatc 300
atagttaaca atgctggtac catcaataag aacagcaaga tttgggaagt ctctgctgaa 360
gattttgaca atgtcatgga tacaaacgtt aaaggagttt caaatgtgct gcgccanttt 420
accctttga ngcncccnnc naagnaa 447
  
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<210> 13483
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-E10

<400> 13483

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 taagatgata catgggtgag gaagcagcgg taatccccac tccttggaac cganatcata 180
 gtgccgcgct gcctcaacca ttgcaaacgg ccgtgataat gtaagctatc cganagagtc 240
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 ncaattatcc cttatccttc caagctgcaa cntatgggtt tgctcttcnc anatchataa 360
 agtttggtac gctctcgact ccctctgatg cacatcctca acggaannta ncggaa 416

<210> 13484
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-028-Q1-E1-E11

<400> 13484

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 tgtgtactcc ttataatcca cccattttat cgctttgttg gtaaagatat gatgactgat 180
 ctaagttacc cggttaaagag taacaccgta ccaatttggc ctgtcccggt atatgcgatg 240
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 catcacgcgg tgctaggtct cttatactct gttctggtga cagcagtact taccgatgca 360
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 aaa 423

<210> 13485
 <211> 330

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-E12

 <400> 13485

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 gaagtcaagg aactccgatt tcaggaatcg aaatcgtctg atggtttcag ttttgatctt 240
 agggnnngact cagttgttca agttggggcc acttcagttc acttgtgtnt cnggatgggt 300
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<210> 13486
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-E7

 <400> 13486

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 cagagatttt tctgggaaat ttgcgttgaa gctgctgcga atggtaacgg atcatacgcg 180
 aagaagttac tgaagaaact cataaatgaa gttgagttan agaaggtga agtattggat 240
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<210> 13487
 <211> 306
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-028-Q1-E1-C2

<400> 13487

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gcatcttgag aagctgtggg tgangaacta tctacgttan gggcaagaat ccacacatgt 180
gccacagaca aaactcatct tcaacaangc ttagatacat ggcaattanc ngggtttcag 240
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<210> 13488

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-H4

<400> 13488

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tatgagaaaa agccacaaca aaaagataga tgatgagaga aagaaagga agatcctcgt 480
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<210> 13489

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-H5

<400> 13489

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gagatgaaaa gttcttctgt ttctcacagg agcagatcca ggtcacctag gcgaacttct 300

gttgaccat cacgtgctcg aaactctgaa cctcaaaggc agcagctgcc atcacatggt 360

tcgtcaagtt tcccagagcg ctctggaang caagataagt ttgtggataa tcctttccgc 420

gaagagacch tggtcgtgag aatcaaaa 448

<210> 13490

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-H8

<400> 13490

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gactatgcat gtactccaga ggaagtccag cagcattttc aatcatgtgg gacagtgaat 180

agggttacia ttctgacaga taagtttggt caacctaaag gttttgcgta tgtcgaattt 240

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<210> 13491

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-027-Q1-E1-H9

<400> 13491

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 agttaacgcg tcaatctctg ggaaaacaaa taacattgac gtttgctttc accggaattt 360
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<210> 13492
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-028-Q1-E1-A2
 <400> 13492

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 ctgcttcaaa ctagggataa atactgtctc agcttttgct ttctccactg agaattgggg 360
 aagacacaag attgaagtca aatgcttgat gtatttgctc caacgttacc tcaagtcaaa 420
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<210> 13493
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-A4
 <400> 13493

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gtggacatca tttcgacgct ttcagacttc ctgctcgtcc tgatcatttc gaanctttcc 120
 ttcaaggagg ctttgagcac cagtcgcctt tccaccgct ggagacacat atgtcgcgaa 180
 acgagaaaca tctctttcag agaggacgag atcgtgacat tcgctgatga ttccgttgct 240
 cgctattacc aaagggtgc attagttgcc tatatggttg gttgggttaa caattttacc 300
 ggggtggagtt gttgaaagct tcgagcttcg tctctctaata tcgtatgcnt ttgnagaang 360
 ggtcaccaca ctggatcgaa ttcgctgtct ccaaagaatg tcaagcatcn ttttcctgaa 420
 ctcccaaaaa ccccgttggg gtttcaaaaa ang 453

<210> 13494
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13494

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 gatgtggatg ggatttggct aatgtaatat ccgtcaatga tgtttgttgc tgacatagct 120
 tattctcttc aattcacagg ctccggaggg ttatggtact cagcatgatc caaatcatcg 180
 gtttggcgta tcatatgatg acggatatcc tgatgaaagg ttgatgcggg atgatgtcta 240
 caactatcca cctggacata atactctggg tgacttgcct caatctanaa agcgaaacta 300
 tgaanaaaat tatcccagtg aacttcgcac gcaagaaaag ccttacatcg attcagatta 360
 tgctgctgac tattatcatg atagtgaanc tgggagtcgt aatggacatt accgtgatca 420
 tgaacacgaa anggtcntcc aaata 445

<210> 13495
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B11
 <400> 13495

agtgttgagg nccgcacnct tatcttcatg agagctgagc agtatgccaa agaatacgct 60

<210> 13496
 <211> 458
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B3

 <400> 13496

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 tgcttacttc aagaggtacc aagtgaagtt cangagaaga agagatggaa agactgacta 120
 cagggcaagg atccgtctta tcaaccaaga cangaacaag tacaatactc ctaagtatcg 180
 ttttgttgtc cggtttacca acanagacat agtggcanag attgtatctg caatcattgc 240
 tggtgacatt gttaaagctt ctgcttacgc acatgaactg cctcagtatg gtctcactgt 300
 tggctttaca aactatgctg cagcttactg tactgggctt cctttggntc nccgtgtttt 360
 aaanatgttg ggaatgggtt gacgantatg aagggnacg ttttagggca ctggganaaa 420
 nacttttccc gttgagccca actggattca anggngac 458

<210> 13497
 <211> 408
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B4

 <400> 13497

ntcaatgcta tgaagcgagc gangaggacg gcaggagag gatnttcttn cctctttctc 60
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 tttttatcaa ctggggaaga agaaaggtgt aacctttata taaccatgga ttccggtgac 180
 gcnacatctt tgcttttgac gaaaattcga ngcttgagc cagattatgc tcctaanatt 240
 attgggtatt tgcttttaca tgattttggt gatanagact tgatgcatct ggctcgtgga 300
 cctgaancga ttttgcagtc gactatttcg aangtganga gtctcttggg gaatttctcc 360
 aacanctcgc cntcttctan gccgacntct ccttcatccg ttggancc 408

<210> 13498
 <211> 313
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B5

 <400> 13498

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gaanataatc nacggcaagg cgattgctca taccatcaga tcagngatcg ccgaggaagt   60
tcgcggtcta tctgagaaac acgгнаaggт cccatgacta gctgtagtta ttgttgгgan  120
ccganaggat tcacagacct atgtgaatac gaagaggaaa ncgtgсgtg aggttgгgat  180
taagtcattt gacgtgggсc taccatagga agtttctgaa gctgatntta ntagcaaagt  240
tcatgaacna aattcaaatc cgnatgtncа nggcatanta gtttaactcc catttgcccг  300
aaacattnta atg                                                         313
  
```

<210> 13499
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-028-Q1-E1-B6

 <400> 13499

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ttcagcacgc ttaccagcan atacatcagg ggtcaaaact gttgaagatg gaccgгatga  120
tgttgagagg gaccaaaaga angataggсg tgaggaaagg aaacctgcaa agagagagaa  180
ggaagaaaga catgatangc gtgaaaaacг cnaaaggcat gagaagcgaa гсгctсgtga  240
ttcagatgat agaaagaagc аcaagaaaga gaagaaggag aannaaagaa ggcатgactc  300
tgattctgat tgaagcgaat tgtcccaagg atggaacatt ttgctcttca gaggaanaat  360
ggtcngctaa gtacccaaaat ccaactacca nttctgcaan aattaaatcc gttгcctaat  420
tcaatt                                                                426
  
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<210> 13500
 <211> 434
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-028-Q1-E1-B7

<400> 13500

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atgagtttct tcaaattgggt ttcttttggt ttgatccttc acttgcttaa tccgactctg 120
atttcattgt cctcnaatgg gttatctcaa ataccttcaa agtttcttac tttggctaaa 180
aggaatgatt ttttcgattg gatgggttga atcagaanga gaatccatga gaatccagag 240
ttaggttatg aggaagtaga gacatctaag cttgtagag cagagttgga gaagatgggt 300
gtttcttana agtaccacgt tgctgttact ggtgtgtgtg ggtaagttgg nactggncat 360
gcnccttttg gtgcnttaaa ggctganang gatgnacntg cnatgcagga aatgggggaa 420
tggaacacac aata 434
```

<210> 13501

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-028-Q1-E1-B8

<400> 13501

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cttcgattca gctctctttt aatttttttg gttttgggaa gctgctatgt tatttgagag 120
gcttaccaag aaaccacctt cgcttggtga tctttgcgta aggaaagcga ttgataatgt 180
aaagtacatt ggatatgttg gtgggggtga ttttcagctc cttgagcaga ttctgcaaca 240
ctgtacacta gaacagctga agcacataga ggatgctact gacgacacag atcttagtcc 300
aatcaccgat aagttttgga anggattcta taagaagcac tatggagaag angacatgaa 360
ggatcttata gaggacctgg agtgggnataa agtaaagat tcaaattggag gaacttatat 420
gagttgaagg gtata 435
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<210> 13502

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-028-Q1-E1-C10

<400> 13502

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agcgtaaatg gcgaacaatg gacctaactg ggacggatta ctcaaattgn gcctctcaca 120

ttccgatgga gcttcctctt ctagccgtat aagtgaggaa gatcgacaat ggtttgtgga 180

agctatgcaa gcacatacaa tcgattcaat ctctcgtatg aaagtaatat ctcaaattcat 240

gaagatgcct gaacaagtct tggaggctca aggagttaca cctgatgatc ttgaaggaaat 300

gttggtgag ctgcaggaac acgtcgagtc gatagatttg gccaatgatc ttcactccat 360

tggaggtttg gttcctctcc ttagctatct caagaactct aatgcgaaaa ttcgagcaaa 420

gtctgccgat g 431

<210> 13503

<211> 511

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-H2

<400> 13503

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cacatgaaat gttcanagaa gagacagagc aaaactcagg cagatccctt cttgggtctt 120

cgaacctcac caccacacac ctattgcaaa ccctaaccct aatttgagct cncgtcttc 180

ctcttcaaca acaacagctc atcttgagcc ttccctaacc aaccagagat ccaaaccac 240

tccttttcct tctgcccggg ttgatctttt ggacagtact actagctatg gaggtttgat 300

gatggacaga gagaagaaca agagcaatgt atgtagcaga gagatnaaga aaagtgccat 360

cgatgcatgt cattcagtaa agatgtgaga taanccgttg ggatctgatg aataaagaaa 420

gaangatnaa atcanggggg ttngagcctg ggataatttg aagaatcccc aaccaaantt 480

cttgaatttg gagccttcga ctaaggctac c 511

<210> 13504

<210> 13506
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-F7

<400> 13506

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 aagaacaaac tttcgaagaa gacgactaat caattcatct gattatggag agagnacagg 120
 gaatcttcgg agctggtggc ggttttaggtc acgcacgcgc tgattctccg actctcgata 180
 catcgagca ggtttacatc tcttctctcg ctctcctcaa gatgcttaag cacggaagag 240
 ctggtgttcc tatggaagtc atgggattga tgcttgaga gtttgtggat gaatacactg 300
 ttaggggtgt ggatgttttt gcaatgcctc aagagttggt actggtgtta ntggtttaaa 360
 gctgttgatc atgttttcca agactaatat gctcgacatg cttaaacagn ncgggaagac 420
 ctgagatggn gggttggttt ggaannatca caacntggg 460

<210> 13507
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-F8

<400> 13507

ggccaacact ctttggtggt gagatacaaa tttggttagc tatggcatat gaggccaata 60
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 gtattcgctg tcaagcttct gagcttcggt atatcttgca agctcctaag cttaagatat 180
 ctgaggagga aatggttact attcccatga tcggttcaag ttacgacagc tatgcagtga 240
 catggagtga taaggaaagg gataaggagc ggcgaatgaa tgcacgcact acgaatcagc 300
 tcaactcgag tgatgatttt ctaggaaagc tcttggtttg gcgaccggtg gtcggtatgg 360
 agaagaaccg agtccttttg cttgctttga cactgtggtt tggtttgggt tggagcaaca 420
 atcatcttac aaaagataag tngaagacat 450

<210> 13508
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-G1

 <400> 13508

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 ggccgcccctt tttttttttt tttggagtta aaatgcnatg aattccaaac cagacaacat 120
 tcaaataann canagactaa aaaggctgtt caaacagtaa taattcttgn acatgggnca 180
 ctaaaccaga acgataacag gaaacanaga tacattcagt actcattact ttgagggcac 240
 ctacggaaag caagtaanac tacaganggt agacgttcca gtgcttaatg atgaaacatc 300
 atcagtacaa gcaaacgtgt ttttcatcat acaccgtatc actttcacia gtggctgcag 360
 tcattccgca gcannaggag atttacttcn anaaacagca tcaactttgc ncannagaac 420
 aaggctacca gcatatgggg aactctcaan tgc 453

<210> 13509
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-G2

 <400> 13509

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 ctccgnaaac cntggggaca gaancagctc atgttcaggg tccagtaact acccaaggaa 120
 ctgttattat tgatgaagag agtgatgatg atattccttt tgcaccaatg ggacgaagtn 180
 ggcaagnngn acctgctggt tctgtagcca ataataataa tcaagattac aatgatatag 240
 aagaagaaat gatcagagct gccattgaga cctcaaagaa agaggctgag ggatcaagta 300
 accctttact tgaagagagg ccacttcaca tggaagatga tgatgacata gcaatagctg 360
 ttacaatgtc attgaagtca gcggaggaag aagttttgcg cagtcaaggg tataangcct 420
 caacctccgg aaatangagc ntccgcaatg actgctgctc aaaggntca aggataccca 480

agnccctgaa cnggaaaatt ggcancacct aattcacctat tt

522

<210> 13510

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-G4

<400> 13510

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tgggataaat gaagcttgca aaaaaaatca tgtagtaatt cataacgaaa tcggctcttg 120

gattgngggc aacattgcat gccggcaatt cagcccaaaa cgcacacctt caatgtttca 180

caccctaaan tacaagatc ctttttacat cattgagttc gcggacaaca atcanctacc 240

tcacggtgag aaatggtatt gtctgattag tcacggaaca agaccaaatt attggtttga 300

tattgaagta tatcgtcaag gctattatcc tcgatgtggt cagctacgct catggattgc 360

tanaaaggat gggatttggt ttacaagana attcataatc caccanggca cgtacttgat 420

tggaaaatcc agtaatggtc ctctngcntt aatcnc 456

<210> 13511

<211> 447

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-027-Q1-E1-G5

<400> 13511

ccgtcgtttt tgcaaggcag atggcgaagc agattcgtgt tacgacgccg tcgatgtccg 60

caacacgctt tctctcaacg ggcgacaatg gtcaagtaga cgagcagcag aaccctccag 120

agcccttacc caacagaccc ttgcgagggg agagatcttc caactctcac agagaaccac 180

ccgctagaca agcccacaac cttggaaaga gtgatactac tctgtctgac gatggcttcc 240

tcgaacagtt caagcttgga gtcaatcagg attcacggga aacccccaaa ccggaacaat 300

acccgcanga gcccttaccg ccgcctgagg attccgatga gatcttcaag aagatgaagg 360

aaggaggtct catccctaac gccgtcgcca tgcntgacgg ctctgcaaag atnggcntgt 420

6562

acaagaagcc atgaagcntt tcggatt

447

<210> 13512
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G6

<400> 13512

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cacgcgtccg ggaattcttt cagccgccgt cccaattgct ttgccgccac cgaagcaaag 120
agtagagaga taatggctga ggaagaagct aagggtttgg attacatacc ggagatagta 180
ctgangaaga ggnngaacag agatgagctt gcctttatca ggaagaagca acttgagtgt 240
ggtaattccg gcaagaagaa gaagaaagtc tctgatatca aacgtcctga agattttgtt 300
catgagttca gggctaagga agtagatatg atccggatga agcaaagagt aaagaggcca 360
aagtcattct ctcaccagt taaatctgac ctggttttca tcatacgcat tcaaggcaag 420
aatgatatgc acccaaagac caagaggatt cttaacaatt tgcaactaaa gagcgtcttt 480
actggtgtat ttgctaaaag caactgacag tttgttcaa aagct 525

<210> 13513
<211> 326
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-G8

<400> 13513

gatcanaatt caancagggg aagaaatcan gatgcacttt atgcagcctg tnggtacagn 60
gcttgtcgcc aagaggacan ccacagagct attaanggta natttcaaag atttctcatt 120
tganagagtc ttgttacctc ttgatatan cttgacataa gtcaatcaaa ctctgtgaanc 180
ttgtgaatag aaatatgcgt tattgccaat ggggcgacaa anaaggaaat tggccgagca 240
aaagactaca ttgttaagac attgggactg gagcctggtc antctgtgga tttangaact 300
atacacgctg ngtgatttca tganaa 326

<210> 13514
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-G9

 <400> 13514

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 ttctctttat ctactttctc ttctaaatct ctaatctttt gaaaccctaa atcagagttt 120
 ngtttttttt tatcaactgg ggaagaagaa aggtgtaacc tttatataac catggattcc 180
 ggtgacgcga catctttgct tttgacgaaa attcgaagct tggagccaga ttatgctcct 240
 aagattattg ggtatttgct tttacatgat tttggtgata gagacttgat gcactctggct 300
 cgtggacctg aatcgatttt gcagtcgact atttcgaaag tgaagagtct cttggggatt 360
 ttctccaaca actcgcttc ttctactcgg acgtctcctt ctcccgttga atcctanctg 420
 gtcgtcctcc tctta 435

<210> 13515
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-H1

 <400> 13515

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 cttcaagagg taccaagtga agttcaggag aagaagagat ggaaagactg antacagggc 120
 aaggatccgt cttatcaacc aagacaagaa caagtacaat actcctaagt atcgttttgt 180
 tgtccggttt accaacaag acatagtggc acagattgta tctgcaagca ttgctggtga 240
 cattgttaaa gcttctgctt acgcacatga actgcctcag tatggtctca ctgttggtct 300
 taaaactat gctgcagctt actgtactgg cttcttttg gctcgccgtg ttttaaagat 360
 gttggaaatg gatgacgagt atganggaaa cttgaggcac tggagaagac tttccgttga 420
 ccaactgant caaggagacc ttccg 445

<210> 13516
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-H11

 <400> 13516

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 caattctctc aaaccttctc ttggttcttg gcanttcctt cttcttttgg ggtatcgcca 120
 atatccgccg cgagcagcgg ttcgaccgga aacaagccga tgtgaacttc ttcttgctgc 180
 ttatgggcct gttgtgtcat ttgctgccat tattgttaaa atatgcagca accggcgaag 240
 tatcgacctc tatgattaac aaaatgtcgc tcaactctgtc gcggacaagc agcatagtta 300
 tgcttattgc ttacattgct tatctcatct tccagctctg gactcaacgc caattgtttg 360
 aggcacaca ggatgatgat gatgcatatg atgatgangt tagtgttgaa naaa 414

<210> 13517
 <211> 459
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-027-Q1-E1-F3

 <400> 13517

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 tngtctcatc tctttccatt tgtggaattc aatggaagct ttaggttttt ggtgctgaga 180
 attctctggt ttcgaatcta gggttttagt aggagatcta ttcaattgta gatacgcaag 240
 atcgaaacga gtcanaaaac taggagaang agtcatgtcg gattctgata aagagctcga 300
 gaatcagatt attgaagctg gggaaaagct tattgaccg ctttcttcac tcgatgaact 360
 tctctcttcc ctttgacaaa actttcntaa ccctggccgg aagttaaca atcacctccc 420
 cgactcaatt gcanaatgcc actcactccc antgannga 459

<210> 13518

tttctgcaac ggaattgtgt cagcaccaag acccagaagc aatttattaa gagacagaca 180
 aaatggtgta cganccatca aagttgcgtc tattgagaca caacctttcc ctctgtttca 240
 atctcctgct tccgaagaat cttcctcgtc cgagctggag acagcagatc cggattttcta 300
 caaaattggc tatgttcgaa gtgtgagagc ttatggagtt gagtttaaag aaggtccaga 360
 tggtttttgg gtctatgctt ctaaggatat cgaacctcgc cgtcgagcta gagtgattan 420
 ggnagattcc nccttggaac tgatgatann cattagacag aagcaccttg gntgttttcc 480
 ccngatantg gtccaaattg ggccatccct aattttcngt anccattaac tcgnnncg 538

<210> 13521
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C3
 <400> 13521

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 cgggagttga anccacacaa agaacagaaa ataagaaaga taataaaagg aggcaaacac 120
 gaagagctca caacaagatt caagattcaa gattcatgct ttcagatttc aactaatcan 180
 gtaaangacc actttacctg caaaatgacg agatcgtggg tgcttttgtt tgttcttatg 240
 ttcattgtgt tgactttctca gtttgagtgg aatgaacaag ttgagaatga aagtgagact 300
 agtagtcgtc ctctgattct ttcagataaa gagcaacaac atatccctca aggcaaagaa 360
 tctgtacaag taaagaaaat tctatttcaa gaaaagaaaa ttcagaagtt aaacgagctg 420
 gtcccagat ctaaggangc agttgctaca atgcagaaat gaaaatcang ttgagtttac 480
 ngagctagaa accgagcttg atnaacctgc tggg 514

<210> 13522
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C4
 <400> 13522

aactcatcca accgaagatg cgtgagattc ttcacatcca ggggtggtcaa tgcggtaacc 60
 agatcggcgc caagtctctg gaagtgggtt gcgccgagca cggcatcgat ccancggnn 120
 ggtanaccgg agactcagat ctgcaacttg agcgcacaa cgtttactac aatgaagcga 180
 gttgcggtag attcgttctt cgtgcagtgc tcatggattt ggagcctggg actatggata 240
 gtctcagatc tggaccgtac ggtcagacct ttcgacctga taacttcgtc tttggccaat 300
 ccggtgctgg taacaactgg gccaagggac actacacgga aggagctgaa ctaatcgatt 360
 ccgttctcga tgttggtcgt aaggaagctg anaactgtga actgtctcaa ggggtccaag 420
 tttgtcactc gtttgggaag aaggaa 446

<210> 13523
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C5
 <400> 13523

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 ccacgcgtcc gagaatacac gactccttga aaggctccct gaacttgtct gcagacgtgg 120
 ctctgtatttt cagaaaaatc catctacaga caagctaaca atcatccctg agcttgattg 180
 gaaatatttc tgtgacgagt ggggagggct catggagaat ggaatatctg cttttattga 240
 ggttggaat acagaccaa gttcatcccc agacgtcatt gaccttgaga aggattcttc 300
 tccggatgat aatatggacg ttgatgctca acagcttatt ctcaggcat cccagagat 360
 ttgcgaggaa tgcataggag agagagaaag ctgtgagttg atgcagaaac ttagttactc 420
 tgaggagat gtatttgtct gttttgtgct tggaaaggaa gtcctaaaag caatgttaga 480
 ggcatctgac tctagctttt gaggtggatc ggct 514

<210> 13524
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-C6

<400> 13524

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acggcaaaca acaaatttca tagagaagca naaatggcga aatcactcct ttgttcatca 120
accttaaacc ctttcttctc caccactctc tcctcttcga agaagaacca aattgcatac 180
tngggngggc agcaagaacc anacatcgtc gtctctgtta tggaaaagaa gggaactgtc 240
gcttggatth atgancagct tagttgcgat tggctctgtg agtaatgaca gaagaagaca 300
cgacgcgaat gcagcgattc ttgaagctga tgacgatgaa nagcttctcg anaaagtgaa 360
gcaaggatcg gaaaaagagg attgacagac atgctgtncn taattctgct gtcaangaaa 420
aggggtatth gcaggatctt gtttncaggt tgagcaaggt angacatgcc attgaganca 480
atgatcncca ctcangtttg gttttgggg 509

<210> 13525

<211> 517

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-026-Q1-E1-C7

<400> 13525

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ccacgcgtcc gctnttaaga ccaaactctc ctctacctc atctctctc cgc cattac 120
cagagctcaa cgagctctca ctttctttac gcacacttgt tggaacgaaa tatattcata 180
gngaaganga atctcgaaac tcttgaatct aaaacaactc ggagactctg ttttcccttt 240
ccggagatca gatcggatca agatgcagac aaccaacggc tcagattcga cgttggcaac 300
ttccggagcc acaccgccga atcaacaaac cctcctcca cctcagcagt ggcagcagca 360
gcaacagcaa cagcaacagt ggatggctgc catgcaatat ccaccaagcg gcggcgatga 420
tgatgatgca gcagcaacag atgctgatgt atctcatca atatgttccg tataatcaag 480
gnccttatca gcagcatcat cctcaagctt caacaat 517

<210> 13526

<211> 515

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-026-Q1-E1-D12

<400> 13526

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cccaagcgtc cgcccacgcg tccgggtcaag gtttgtgatt ttgggtctctc gcgattgaag 120

gccagcacgt ttcttttctc gaagtcagca gctggnaccc ccgagtggat ggcaccagan 180

gtccngngag atgagccgtc taatgaaaag tcagatgtgt acagcttcgg ggtcatcttg 240

tgggagcttg ctacattgca acaaccatgg ggtaacttaa atccgggtca ggttgtaact 300

gcggttggtt tcaagtgtaa acggctggag atcccgcgta atctgaatcc tcagggttga 360

gccataatcg agggttgttg ggccaatgag ccatgggaag cgtccatcat ttgcaactnt 420

aatggncttg ctaagaccat tgntnanatc agcggttcct ccggccancg ctcggatttg 480

taanataccc cggtcattca aagtttggtt ttatt 515

<210> 13527

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-026-Q1-E1-D3

<400> 13527

tccaacagag atctcttcat ggctccaatt actgtcggcg atgttgtacc agacggaact 60

atctctttct tcgatgaaaa tgatcagctt cagaccgtct ctgttcactc tatcgccgcc 120

ggtaaaaaag tcattctctt tgggtgttctt ggtgctttca ctcccacatg cagcatgagc 180

catgtgcctg gattcattgg gaaagcagag gagctgaagt caaagggtat cgatgagatc 240

atttgcttta gtgtgaatga tccatttgtg atgaaggcat ggggaaagac ataccaagag 300

aacaagcatg tgaagtttgt ancagatggg tctggagaat acacacatct tcttgggact 360

ttgagcttga tttcaaagga caanggtccn tgggaataag tcaaaggaga atttgctcct 420

gttgccttga taacct 436

<210> 13528

<211> 126
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-D5

 <400> 13528

 aangnggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa aaaaaaaaaa anaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 gggggg 126

<210> 13529
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-026-Q1-E1-E1

 <400> 13529

 aacaatggcg acatggacac caagctctct ccagctcaga attgccctaa atcacggtat 60
 cttcaaagct ccggagagag cgaagatgac caagctcagt cgctcgtctcc gtatatcatg 120
 cgctcgcgcag aacgcagagc caggctcgca ttcgggtgag agtaacgggt cggatcgttt 180
 tcgtgggtgg gctgattcgg gagacgatga gaacaattct cgcggtggcg attggtttaa 240
 aggaaccttg ttatctggag ttgctggaat ggttttgttc gttgggctaa cttacgcagc 300
 tttatcttcc aaacgcaatg tcttaagacc aaaagtagaa gtgatgggtga ccacagttac 360
 taaaagttca attgatcaaa tcagcacgga tgagaatgaa gggaatattg tgactagtca 420
 agataacaag gaaagctata gaaa 444

<210> 13530
 <211> 541
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-E11

 <400> 13530

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ccacgngncc cgcttttaaat ctcncttgat tccaatccat tcttcttcaa gtgccggggt 120
 ctccgggtcgg atctttctaag tctagctagg gataatgggt actgtcacta ctcatgcctc 180
 ggcctcgatt ttccgngggt gtantttcaaa gccaaagatt ctcaccgggt cttccggtag 240
 gttgaaccgc gacttgctgt ttacatcgat cggttcatcg gccaaaacgt cgtcgttcan 300
 ggttgatgct aagaaaggag aatgggttggc cggtttggca tgcctgatt atctcaccgg 360
 cagtcttgcc ggtgacaatg gggttgacct gttgggtcta gcagaggatt cngngaactt 420
 gaaatgggtc ctccaggcca gagctgggtc ancgngcna tgggctatgc tccgtgttnc 480
 ttgggatgct ttttgccggg aagtttcccc anggattggg natchnnaaa tgtttctgt 540
 g 541

<210> 13531
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-E12

<400> 13531
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 aactatggcg acgangagaa gcgttggaaac tttgaaggaa gcggatctga agggaaagag 180
 tgtgttcgtg agggttgatc tcancgttcc tttggatgat aactctaaca tcaccgatga 240
 caccaggatt cgtgccgctg ttcccacat cangtacttg atgggtaatg gntctagggt 300
 ttgttctctg cagtcacttg ggccgccccaa aaggngttnc ccctaagttc agnttnaang 360
 cctcctgtgg ccaggnttgn c 381

<210> 13532
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-B8

<400> 13532

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 cgcgtnccgt caaggattct gattgataac gatattcaag ttcagcaatc tcattgcagt 120
 agaaaatgga atcgaatcat cctcacttca agctaatttt gggatcttct tcgattgctc 180
 gacgtnnngat actaacagat atgggatacc aattcactct catgagtgcg gatattgatg 240
 agaaaagcat ccgcaaggag aaacctgaag agttgggttt ggcttttagct gaggcaaagg 300
 ctgaagcaat catgcagcgg atccctgatg gtgaaaacat agaggaggat aagtcgacct 360
 tacttattac ttgtgaccaa gtggttgctc atgaagatgc tgtagagag aaaccctcga 420
 gtgtcgaaga agcaaggagg tacataagan gctattccaa ggggcataca gcaacagtga 480
 gttctgttgg ctgtgacaaa tctcaaaaca ggna 514

<210> 13533
 <211> 334
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-H8

<400> 13533
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 gangcaatac tccaangana tatgccnaga aggagaanga gttgatctcg ttgaaacgcg 120
 aggccaanct taaaggaggt ttctatgttg accctgaagc taaactcttg ttcacatcc 180
 gtatccgtgg gatcaatgcc attgacccta agactaagaa gattctccag ctccttgctg 240
 ttgagacaga ttttcaaagg gtgttttcct taaagtcaac aaggntacca tgaacatgct 300
 tcnccgtgtt tgnagccna nntcacttac gggg 334

<210> 13534
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-026-Q1-E1-A1

<400> 13534
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cgcccgctnt gggaaagatg gcagtcaaaa actgaaacac gacaaattca ctaagtttat 120
gaaagatcta actgaagaga tgctgaggct ggagtttgca cattatgact ataaacgaag 180
aggaagtata tcggccaaag attttgcatt gtcgatgggt gcagcggctg atgcaagcca 240
tttgagcaag ctgcttgata gagttgagag tctgagcgaa caccgcgcatc tccgggacat 300
gcgtatctca ctgaaggaat tcaaacagtt tgatgagcta cgtagtaaac ttggaccatt 360
ctctctaacy ctttttgctt atggcaaagc taatgggtta cttacaatga aagattcaaa 420
cgaaccgcct ctcaagtatg tggaataaca ntgtcagaca atgtgataga aantgcgttt 480
caagtgttga cccaaacaag atgggaaatt t 511

<210> 13535
<211> 551
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A11

<400> 13535
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cccacngtgc cgaaaaaaaa acgaaagcgt tagatatattt ttatcaatcg tgctccgtaa 120
tcattacctt tcttcttcat cttcatcttc acgcagcgac ttctttgatt ctctcttttt 180
attctcagct ccaatttnaa cctgcatttc tctcttctca attttgggtt tctttttttg 240
atatctcatt tgatcagatc gacgaagaga ggaagaaggt ttgagctgag agatcttttg 300
aggtagaaag aagatctcaa aaacgatgtc gtttacagga actcagcaga aatgcagggc 360
gtgcgagaag acagtgtacc tgtggagctt ctctcagctg atggaatccc ctatcacaaa 420
ggcttgcttc aaatggctct cactggnaaa angcagactt naaactggag caatttatcc 480
ctcaantggg aagggattgg gggtaattgt ngggccccaa ttttgggcaa nctttttcaa 540
gggggtccgg g 551

<210> 13536
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-026-Q1-E1-A2

<400> 13536

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gaatatgcat tgtaaacact tgaacattgg cctgatgctc cagaaattca acgatcagtt 120

gatttatatg aagatctgat tagatgctgt gttgcagatg ctatgagtga ggtgcgggca 180

actgctagaa tgtgctacag aatgtttgca aaaacttggc cggatcgttc tcgccggttg 240

ttttcgctct ttgacctgt cattcaaagg ctaataaatg aagaagatgg tggaattcat 300

aggagacacg cctcaccatc tgtccgtgag agacattccc agccttcatt ttctcagacg 360

tctgctcctt ctaacctacc tggctatgga acatcagcta tantcgctat ggatagaagt 420

tcaaanttta tcatccng 438

<210> 13537

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-026-Q1-E1-A3

<400> 13537

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gcaagcagcg gcgcagaagt tgaacacaag tgaagctcac aatggcgagg attaaggttc 120

acgaattgag ggagaagtcg aagagcgatc ttcaaaacca gctgaaggaa ctcaangctg 180

agctcgctct cctccgtgtc gctaaagtca ccggagggtgc tccaaacaag ctctctaaaa 240

tcaaggtcgt gcgtaaatcc atagctcagg ttttgacagt gtcttctcag aagcagaagt 300

ctgctctaag agaagcatac aagaacaaga agttgcttcc tcttgatctc cgtcccaaga 360

agaccgtgc tattcgtaga cgcctcacca aacaccaagc ctcgttgaag acagagcgtg 420

agaagaagaa ggagatgtat ttcccaataa ngaagtagc tatcaaagtt taaagtttta 480

gctgctanaa aactgtttc aagct 505

<210> 13538

<211> 445

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A4

<400> 13538

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gtttgatagt ttttcgaaaa cccttcaa at tgtttcattt tttttaagtc ttgagacttt  120
aaaaaatcct cgcttgctct tgttttaggt ctctgacaa ggaaaaattt ggaaacttgt  180
gggagttgat tgataagagt tgttaagatg gcaaatgatg cggctgcatg tgcagaaagg  240
gctacaaatg atatgctgat tgggtccagat tgggctatta acattgaatt gtgtgatctt  300
atcaacatgg atcctagtca agcaaaagaa gctgtgaagg tgctcaagaa gcggttagga  360
agtaaaaact ctaaagtcca gattcctgca ctttatgcat tgggaaactt aaagtaaaga  420
attgtggcga aaacgtgtac aanct                                         445
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<210> 13539
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A6

<400> 13539

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tgtgtctgag ctggaactta aagaaaaaga atctcaccat gtcttttagct cngagcagtt  120
atccatctct gtattcttcg ccttcactgc caagaacca gcaaaccaag caaaacccta  180
gtttgatcac tcaatccagt ttcatttccg ccaaaagtct cttcctttcg agcaattcgg  240
cttctttatg caatacccat gttgccaaac gccggaattt agctttgaag gcgtcggaga  300
cagagtcttc agctaaagct gaagcaggag gagacggaga agaagaagag aagtatgaaa  360
catatgaaat tgaaagtgga gcagccttat ggtttgaaat tcangaaagg aagagatggg  420
ggcacttaca ttg                                                         433
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<210> 13540
<211> 111
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-A8

<400> 13540

gannccatt tcaagatttc atcctccgga gtgtttcaac gaagcttggg tacataaggt 60
ctgatatgan aggtttcgtc atagcttgtc ttctanggta ngtttcctca c 111

<210> 13541
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B1

<400> 13541

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ttaacatttt gaaacaaatg gcggtccaaag ccatcttctt cttctttgtc tctgccgtgt 120
gcctgtcctc tctcgccggt gtggccatcg ctgatgccga tgactttgac cgtttccaaa 180
ttcagggatc ggtttattgt gacacatgcc gtgtccaatt cgttaccgt ctcagcaagt 240
tccttgaagg cgcgaaagtg aagctagaat gcaggagcag aacaaacgga accgtaacat 300
tgacaaaaga agccgtaacg gacaaaacag gggagctaca gaatggaaat tancggtgan 360
catgaaggan gaaattttgc caagcntgtg ctcggtccat caccagacag tngttgcant 420
gacgttanca aagangctta c 441

<210> 13542
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B11

<400> 13542

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cgcgatttca gcaaaatcaa atcggtattca gtgatcaaaa gtcaatttgg tcgagaagaa 120
attgagcgtt gaagatgacg gaggcgatga taagaaataa gccaggaatg gcgagtgtga 180

canagacgga gatggttgta tcaccacaaa ggagcttggg actgtgatga gatcacttgg 240
gcagaacccg acagaagccg agctccagga catgatcaac gaagtggatg cagacgggaa 300
cgggacaata gatttcccag agttcctgaa cctaattggca cgtaagatga aagacactga 360
ttcagaggaa gagcttaagg aagccttcag ggtttttgac aaggaccaga acggtttcat 420
ctcggcggct gagcttcgtc acgtgatgac aaatcttggg gagaagttga cggatganga 480
atcgatgaga tgatccgaga ngctgact 508

<210> 13545
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B6

<400> 13545
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ccacgcgtnc gatacaatgc aacgaatgtt gatgaaagca agccagatcc aaaacttgag 120
tgcttcaaaa actgttccat aagttgtggc aaacaaaacc aaccttgta cgaagtttgt 180
ttgacgaaat gtggtctccc aaaacgtcct tctacatcaa caccatcatc ttcctccacc 240
acggcgtaat aagtttccat ttgtgtgaaa ttgtgtgtct tttggtttat acgaagtttt 300
aatcttaata ttgatgtgcc aacaatgccg tgcccaggct tataagggct taagacgaag 360
ttgaattttg gagtctttcc aatataattt ttattttaat aaaaaaaaaa aaaaagggcy 420
g 421

<210> 13546
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-B7

<400> 13546
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cgtccgctat attctccacc tcaaaggacc atttctcatg gcttctgttc cggtagagacc 120

tctacctctt cttcgccgga acatcacctc gacgacggct tcgaaatcat ctccaatgct 180
cgccaacgnt tcgagccggc attctctcgg gatctctacg tatgatgaat ttttgaagca 240
aataaaaaact ccggcaactg tgaaccaccg gcggcgagta agtacgggtg tggcgtcggc 300
gggaaacttg acggcgccgt cgtgggattc gtggaagcct gataagacgg cggcggtac 360
ggctcttttg ctgagtgcg tcatatggcc tgctgctgga gcgtttgcgg caatggcatt 420
attgggaaga atggatnaaa tgctatctcc gaaaggattt caatgtcagt tgcaccactt 480
ggcgcantct cccgccattc ttttcac 508

<210> 13547
<211> 492
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-H6
<400> 13547

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ctaaattggg ttctcttcat ggntgattcn tctctcattc cagngggcat gggagctcag 180
aagaatatcc acgctggng agccaanatt gatgttaatg tggacttcac tcacaaactt 240
tgtacttct taatgtttcc tgctttcaag gacactagca atcctctttc tctagtgatt 300
ggcancctct gtatcaaaca tccaaatttg tttggaggaa gcgagaagct tgatgtatca 360
tgggataaag gattgtatga ttccaatgta cttgtggctt ttangagacc tagacctgaa 420
tggcgctccac aacagtgttt cttcatacag cattctctct caaccgagat aaggggtcca 480
cggnaacccta at 492

<210> 13548
<211> 72
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E3
<400> 13548

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 ngatgcagtg gt 72

<210> 13549
 <211> 537
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-E7
 <400> 13549

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 cnaaaaaaga ggagaatgaa gaaaccatga cactaacagc tgaacaacaa aaggaaatca 120
 aagaaggaat cttgaaatgg gaaaccatta ttactcggat cacaaacaca atggtatcgn 180
 gcacatcaac ctctgcttct tccagtgaag agtctagtgt tgggaaagaa agtgagactt 240
 ccgctaaaagg tgaaagtgag acttccgcta agaataagaa taagacttcc gctaaaggcg 300
 aaagtgagac ttccgctaaa ggtgagagta agacttccgc taaaggagaa agtgagactt 360
 ccgctaaaag ggtgaaagtg anactttccg ctaaagggtg aaaagttgag acttcntcc 420
 tttnaaaaaa ctgccgaaag cctaggtcna gaagcannca gtttaacnag ttgaccacaa 480
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<210> 13550
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13550

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 cagattgttt tgtttatattg aataaatctc cgcaagtttc aattaggttg caaaaannga 180
 ngaaattttc ttcgattcaa aaaaaatggg aaaattttgt tgcttcactt ccgcttctga 240
 ngttgtggga ggacaatcat catcacgatc aggtaaagga agaagtgatg aanggatgat 300

caagtatggt tttagtctag tgaaaggaaa agctaaccat ccaatggaag attatcatgt 360
 tgctaacttt atcaacatcc aagaccatga attgggggtct ttttgcgnatt tangatggtc 420
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<210> 13551
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13551

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 tctctgactg cgtttggtga gcaacaattt actatactat ggaccctgag agtatcatgg 180
 ctgctgatgg gactgattct gctcctgcaa atgggtggtt agcaatggaa aatgtatgtg 240
 ttaaagaaaa tggggctggt tctgtcgaaa ccgtggacac tacttcagaa agtcagaatg 300
 agaattcggc aaacagtttc aactttggat acaattgaca actnnaaggg aggaanttga 360
 ggnacacaag ttnaacatgt ngatgaatca aaatgtatgn aaagggaaaa aactcaaacg 420
 gaagcaangn atgagaaact a 441

<210> 13552
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13552

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 ttctgaagat ttatccccga aaataatctc tcttgccgcc ggtgaagctc atacaatcgc 180
 tctgaccggc gatggatgtg ttactcatg gggaagagga atgtttggcc gtctcggtag 240

gggtaaggag tcggacgagc ttgttccagt tctagtcgag ttcccaaate aagcggaagg 300
 agatcggatt cgaatcgttg gtgttgctgc tgggtgcttac cacagtctcg ctgtctcaag 360
 tgggttcctc ctattcatat gtctaaattc cnccttccna ttaacntgtg ttgccgaatt 420
 taccataatg anttaatttg agaaantggg gg 452

<210> 13553
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13553

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 atctaaagct tttcgaattc ggagctagag aatttaaagg aatccaatgg atgatttcac 180
 aggattgtta gcgagagact tcggattgaa acctcagga aaatcagctc ccatggcgctc 240
 tcaatcgaac tcttctgccg ctgatttcaa cactttcgct tcttcttata gcttcgccac 300
 cgccgccggt aaaaagtccg attctttgcc ggtgtttgac gatcctggtc gagatgggtga 360
 tgatcttctc ttcaaagatg tgtttagtgg accaccacca ccaaagtacg gatcttcttc 420
 tgggtgattc acgttctcca tctgctcctg gcttttgact atgatgcaat gtcaanggaa 480
 ccaaatcaaa tcacgtcgctc aatgg 505

<210> 13554
 <211> 168
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-F8
 <400> 13554

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 gtcacgaagc aanctcttcc cttagacncc gatcttacac ctaaccacat gcttcgccgt 120
 cttatccaac actggtgcgt cgangaacga gacacgtggn gttgtcag 168

<210> 13555
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-F9

 <400> 13555

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ttctacagag agaaacaaag atcgagacan nggagaaacc cttaaaggat ttgaacggag  120
aagacgagga aaaacaaaga cacaactcta accttttagag agagaaaaac aaatgtcgtt  180
ccgtagcata gttcgtgatg tgagagatag tataggaagt ctatcgaggc gtagtttcga  240
ctttaagtta agcagcttga acaaagaagg tggtaaatacc cgtgggttcgg ttcaagattc  300
tcatgaggaa caacttgtag taacgattca agaaacaccg tgggcgaatc tacctcccag  360
agttantacg tgatgtgatn aaaagacttg agagaatgna agtgtgtggc ctgncgtaa  420
catgtttg                                     428
  
```

<210> 13556
 <211> 444
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-025-Q1-E1-G11

 <400> 13556

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gaagaatact gtaacgatgg aatcgaagaa caagtagagg atgagaagct tccgtttagag  120
gttgggatgt tctattaccc aatgactccg ccttcgttca ttgtttccga tgctctggag  180
ccagattttc ctttgatcta tgtcaacaga gtcttcgaag tcttactgg ctatcgtgcc  240
gatgaagttc ttggtcgtaa ctgtcgattc ctacagtaca gagatcctcg agtcaaagg  300
cgtcacccat tggttgatcc tgtggttgta tctgagatta ggagatgtct tgaagaaggt  360
attgaattcc aaggagagct tcttaatttc agaaaagatg gtactccttt ggtaacaga  420
ctacggcttg ctccaatacg tgac                                     444
  
```


<210> 13557
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-G12
 <400> 13557

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 ggaaggaaga agaagaagaa gattctcgct ctctctcaa cagctagctc tcctcttact 180
 ttactctcc ttcttctctt gcttctcgt cgcgctctct cgagctatat ctgattcgga 240
 tctactggat gaaacagtcg ccaactctc ctcttcgctc gcattctca acgcttcttc 300
 ttcttcttct cttgttaagc ctaaggaagg tagcttcgcc gacatcatcg atcgtgctct 360
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 acagtgtanc tggacaacaa 440

<210> 13558
 <211> 221
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-G3
 <400> 13558

tgcganatac ancctttata gtatacagct ttctctcgc gcattctcaa natatatcca 60
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 gattcggant ctcccttctt tcgtcactct cattcattct cgctgtatc aggcgtacac 180
 gcggtgttan canctgttgc ttatatattga accatggggc a 221

<210> 13559
 <211> 315
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-G4

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 ttactacaa aacnntttgc ttgtgatccc tcaagcttgc caatataccc acctagcaag 180
 gagatagata caaagcatcg ggacgaagca gcaaggaaaa aaattancgg gaatgggaga 240
 cgtggtatag attcgaggaa gccatcaagg aaaggccatt cattcaataa attggcacca 300
 gatgtgcngg cacia 315

<210> 13560
 <211> 185
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-G6

<400> 13560
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 taagttgaac ggangaggag ccttcgacgg tgaaggcaat gcagcttgga gagtcaataa 120
 ctgtcacaag actttcgagt gcaagaaact tcccatcagt ntaangtttg acttcatatt 180
 gaact 185

<210> 13561
 <211> 454
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-G9

<400> 13561
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 tnccggttct cttctgtgtc atctccgaaa ctttctccg tcagctttgc tcagacgacg 180
 agaacaagga ctcggtgatt atccatgtcg aagaaagatg gtcgcactga taaagatgat 240
 gacactgata gtctcaatta caaagattct ggtgttgata tcgatgctgg tgctgagctt 300

gttaaacgaa tcgcaaagat ggctcctgga attggtggat ttggtggtct ctttccatta 360
 ngtgatagtt atcttgtagc tggtagcgat ggtgtaggga ctaaattgaa attggnaatt 420
 tgaaactgga attcatgaca ccaattggaa tcga 454

<210> 13562
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 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-H11
 <400> 13562

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 ctcatatact ccagtgacg tcatcaaccg tatctccctt ccttcgttcc ccgggattca 180
 gccaatcgtc gcacgtagaa tctgcccttt tactgggaag aaagcaaaca gagcaaacia 240
 agtttcattc tctaaccaca agaccaagaa gttgcaattc gtcaacttac aatacaagag 300
 agtttgggtg gaagctggca aacgttttgt caaacttcgt ttatcaacta aggnnttgaa 360
 gaccattgag aagaacggac tcgacgctgt tgccaagaaa gccngcattg atcttcgcaa 420
 gaaatagata tgatgattgc aaagtttatt 450

<210> 13563
 <211> 325
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-025-Q1-E1-H4
 <400> 13563

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 tgcagctaatt actcaccaac aaaccangac tgntatacgt tgacccatca aagctttag 180
 taaaagggaa tattatctgg tctgataact ccaacgacct caacgttcaa gtctcaagtc 240
 cttcccatth caagatttgc acaccgaaa gaaagtttta tcgtttgaag atgchnaagca 300

aagagctttg cagtggaaaa angca

325

<210> 13564
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-025-Q1-E1-E2

<400> 13564

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gtcggccaac aatcttcact cagcaattct gtcagatgga ttcagatgca gagctctacc 180
gacctggacc tgaagtcgca gctgcaagag ttaattccgg aacagcagga ccgtctgaag 240
aaactgaagt cagaacatgg gaaggtccaa ctgggaaaca tcaactgttg tatggttatt 300
ggtggaatga gagggatgac tgggattgct ttgggaaacc tcattgcttg anccggaaga 360
aggtattccc tttangggaa tgtcgattcc ctgaatgcca aaaaagtata nctactggcc 420
antctggaac tgaancanta c 441

<210> 13565
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13565

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aaagaaaaaa aaaaaaana aaaaaaagg gcggccgctc tagaggatcn aagcttacnt 180
acgcgtgcat gcnacgtcan anctcttcta tagtgtcacc taaattcaat tcaactggccg 240
tcgttttaca acgtcgtgac tgggaaaacc ctggcnttac ccaacttaat cgccttgag 300
cacatcccc tttcgccaac tggngtaata ncgaacangc ccgcaccgtt ggcccttccc 360
aacagttgcy catcctgaat ggcnaatg 388

<210> 13566
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-D12

 <400> 13566

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anttctntga caaggaagga tatcccttta ggtggattct tgtttaaatt taaanatnct  180
caaggagaag aagaagaaga agaagatagt caaatganan tacattcttc tgatcattca  240
nggcttttac tagccgttct cgtgattctc ctctccttct ctggagctct ctcaagcgat  300
nacaaagaga agaagacgaa atcggtcgat aaaaagaaag aagtaactta tgatggaacg  360
tctttgatca tcaatggaaa tagagaactc ctttactctg gctccataca ttaccctcgt  420
agcactcctg aaatgtggcc aaacatcatc aagagaacga aacaangngg tttgaacacg  480
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<210> 13567
 <211> 465
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-D4

 <400> 13567

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caacaaatca tctcctcct cccgccgcgc cggtatcaaa tccagctctc cctcctccat  180
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caaaccggaa acattcatct cccgattcgc tccagatcaa ccccgcaaag gcgctgatat  300
cctcgtcgaa gctttanaac gtcaaggcgt agaaaccgta ttccggttac cctggagggtg  360
catcaatggg agattcacca agccttaacc cgctcttct caatccgtaa cgtccttct  420
  
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465

<210> 13568

<211> 460

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-D6

<400> 13568

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ctctattggt gttcaagttg tgattggagg cacaagctt cctacagagc aaaggcgtat 180

gcaaacgaat ccttgccaga tccttgtggc tacacctgga aggctcaaag accatattga 240

aaacacttct ggattcgcaa caagattgat ggggtgtgaaa gtccttgtgc ttgacgaaag 300

ctgatcatct cttggacatg ggtttccgaa gggacattga gaagataaat gcccgctgtt 360

cccaaacaga gacaaacatt ttttaatttcc gccaccgtac ctgaagaggt tactggtcac 420

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<210> 13569

<211> 452

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-D7

<400> 13569

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gcgtctacgc tccggccacc ggtgatttct tcgcttgcaa aaccatcgac aaagcctctc 180

tctccgacga ccttgaccgt gcctgtctcg acaacgagcc taagctcatg gctctcttgt 240

cctatcacc taacatcggt caaatccatg atctcatccg aactgattc gactctctcc 300

atcttcatgg agctcgtcca tccctctgtt tcgatntacg aacgtctcgt ctcttctgga 360

aacctccttt gagcctcaga cggngtcgtt cgntaaacag attctccaag cgcttcgcaa 420

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452

<210> 13570

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-D8

<400> 13570

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aagaaaatca gatttcagtt tttttttttt tcatttctaa cataacattc cttgggtccga 180
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ttcnttggtg acctcgggna ctgggntctg cgaaggaata tggtgtacan acgggcttan 360
aggcagggtta tgggatggna tntcacggtt ntgcncaaag gattgggngn acattgcctt 420
gattna 426

<210> 13571

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-024-Q1-E1-E1

<400> 13571

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aaaccattct cttttagaag aaacagcttc agattttcca aaaagcttcc ttattattct 180
cagttttcct caggggaagag agctctctat tgcacttcca gttcccagga aagtaccgtc 240
gatgaaggcg agacatttgt cctcaccact cctctttatt acgttaatgc ccctccccac 300
atgggtagtg cttacaccac tatcgccgcc gattcaattg ctcgtttcca agagactgct 360
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agcagctgct

430

<210> 13572
 <211> 554
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-E2
 <400> 13572

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 gtcgttcccc ctccgtgtct ggctcgatct ctctgtccag ttccagatct cgttcggggt 240
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 ctgctgggac ctgctangcg aggtcgctct cctcctcctc caccatctaa agggagcatc 420
 ttcaccttcc aaagaaagct gtncaaagaa tctcttgctc tccaatgggt ggattctcct 480
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 aagttmntac atg 554

<210> 13573
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-E3
 <400> 13573

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 gagattaatg gagaaggctc tctcacgcct gtttatctca acgtctatga tctaactcct 180
 gtcaacaatt atctctattg gttcggcctt ggcataattc actctggcat tgaggctcat 240
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cctangagct gtccaaggtt tcattcttag gcgctcagtt ttgttggga ccaccagcat 360
 gtctcgctct gatttccgct ccttcaagga naagctttcc gagaaagtat catgggggac 420
 acataccatt ttgaattgcc aaaaaactgt taccatttca ctng 464

<210> 13574
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13574

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 agccaaaacc caggcatgag aggggaagcc ctagtcagga cacggcgtgg ctgagatcgg 240
 tgtgctcaga taaccgcgat aatcagctga aaaggtcagc gagcgtagct gatgcattcc 300
 acagagagan gcaagttgaa atatgtgcag tggagatgga gttgggaaag gggttcacca 360
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<210> 13575
 <211> 447
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-E6
 <400> 13575

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 gaagtaggat tagagatgag gagagattat tagggagcga tctatcgcta gcaatgatga 180
 cgacgactgt cagatcggaa aagcagcaat cggacggtgg aggaaatcga gtggtgggaa 240
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cactttctcct cgtccttgat tcatcatcat caacatcaac tatcatcaca atcancatct 360
gagctaattgg taaacaaagt tatgccttna atgaattttg agntaatccc gaactaattt 420
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<210> 13576
<211> 448
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13576

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gaagatcaaaa agagaagcag atgcttggcc tcatcaaagt gctggaatta gaagaccaat 180
gtcgggtcct cccggaaccc tcaataccat tacgccttgt gctgcctgca agctttttgcg 240
ccgtagatgt gtcgaagaat gtcccttttc gccatatttc tccccacacg agcctcataa 300
gttcgcttcc gtccacaaaa gtcttggagc tagtaacgct tccaagatgc taatggaagt 360
acctgagagc caagagagca gatgccgcga aaaacccttg tgtatgaagc aaacgtgang 420
ctaagagatc cgggtgtacgg atgcatgg 448

<210> 13577
<211> 53
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-E9
<400> 13577

caggccacct aaggagacga tnetgctcga tgggttgcgat ttgcgcacn ggc 53

<210> 13578
<211> 539
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F1

<400> 13578

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tcgncccacg cgtccgcccc cgcgtccgaa aatggttcat gtgtcatcat ctcatggagc 120

caaagatggc tctgaagaag cctatgatta cagaggaaac ccaccagata agtctaaaac 180

cggatggatgg ttaggcgccc gtttaatttt agggagcgag ctatcagaga gaatatgcgt 240

gatgggcata tcaatgaatc tagtgacgta ccttggttga gatttacaca tctcatcagc 300

taaatcagcg accatagtca ccaacttcat gggaactctt aaccttctag gggcttctcg 360

gtggtttttt ggctgacgct aaactcggtc gctacaagat gggtgcaatc tcagcttctg 420

tcacagctct gggaatgttg cttttgacgg tggctacaac tatctcaaag catgagacca 480

ncaatatgtg acgatttcan gagacttcat catcagttca tagaaacaaa cggncacag 539

<210> 13579

<211> 524

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-D1

<400> 13579

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tttggtggta gaaaacagac tttgatggct ttgtaggaat actagatgtg tagatctaaa 180

gattataacc attttctgtg ttcttgttct ttcagaacat aacttcatgt ctttttgtct 240

ctctgttcac tagctctctg ttccatgga ctccacacta tcttcttctt acagatttat 300

ttcatacaca tacactgata cacatgtgtg tatacgtatg tgtttatgtg tgcttattan 360

actctttttg gattcaagaa actaatcttt aagtattttt gacattctgg tagatttatg 420

ctcacttctt angccttggt gacttttaca gtgatggatt ttgaaactcc tggttgattt 480

gatttcnttt tggttgatgc antgaggaga agaaatgtcc gatt 524

<210> 13580

<211> 420

<212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-B12
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 ttgcagagac gccgacttac tctgttgctt cgggtgttac tgttttggtc tttgtttgct 180
 ttctcgttga acgcgccatt tacagatttg gaaagtgggt aaagaagact agaagaaagg 240
 cactttttac ttcacttgag aaaatgaaag aggagttgat gttgctggga cttatatcac 300
 ttctgttgtc acaaagcgcg agatggattt cagaaatctg tgttaactct tccctttcaa 360
 tagtaaattc tacatttgct ctgaagagga ctatggaatc cataagaaag ttcttctgga 420

<210> 13581
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-B2
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 agaactagta tcaagaacta gcgacattgc tgtttcnaaa aagctttgtg aggaccctca 180
 cgacattgat tgtcatgtac atgacatcca tgtagtgact gatgaagata acaaggggca 240
 actgaatggt ccctcngacc atgccactcn ggatctgaaa ctggacagat nacaangtgt 300
 ttcacnatac aagttatgca tttccacaaa gggaaaagtt acatgtctac caataatgcc 360
 anagaaaatt caaatgtcaa nccattggcc tatgnaaaga ccnggaaaat nnaagagtgg 420
 aaatttggtt tccngaaaan gtcnggttta aaaanctgtn ccaaaagggg aaaaanagaa 480
 aattcanttt tttcccccaa aagatnt 507

<210> 13582
 <211> 467
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-B4

<400> 13582

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tcagctcaag cagctgaaga ataacgatca agaaccaaaa aagaagaaaa cgaatctggt  180
cttagctttg atggggttctt gtttcagttc tcgagtcaaa gcagacatct tccacaatgg  240
taagagcagc gatctttatg gtctaagtct ctcaagtcgg aaatcgtcnt cgactgtagc  300
ggcgggtcan aagacggaag gggagatatt gaagttcgac ccctgtcaaa agcttcacct  360
ttaacgaact caaaaactcg cacaagaaaa cttcagacca gatagtgtga tngggngaaa  420
ggtgggcttt gggttgtgtc nttaaaaggc tgggtagatg aagccaa                467

```

<210> 13583

<211> 508

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-B5

<400> 13583

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tagacattag acccggttta gaatcagtg ggttaactc ggtcttcgag cttcntcgcc  180
tcttagctca tcccggttcc atcgataagt ttttatcgac aatcaaatca atccgaccgg  240
atataatgac tgtggtcgag caagaagcaa accataacgg taccgtattt ctcgatcggt  300
tcacggaatc gctacattac tattcgagct tattcgactc gtcgagggc ccgccaagcc  360
aagaccgagt gatgtcggan ttattccnan gacggcagat actaaacctt gtggcatgcy  420
angganaaga ccgggttana naggcattga gacttaaata agtggagaaa acggtcgggt  480
taggangant taaccggtta ngnancgg                508

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<210> 13584

<211> 451
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-B6

 <400> 13584

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tacactgttg gaagggaat tgttgacacc tgccttgaaa ggctgaggaa attggcagac 180
aattgcacag ggttacaagg atttttggta ttcaatgctg ttgggggtgg aacaggttct 240
ggtttgggtt ctttactgtt ggagcgcttg tccgtagatt ttggaaaaaa atcaaaactc 300
ggtttcanca tetaaccttc tcctcangtt tctacagcag ttgtggagcc gtatnacagt 360
gttctctccg actcattctc ttctcgaaca cacagatgtt gttgttcctt tggacaatga 420
agncatatac gatatctgca ggagatcttn g 451
  
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<210> 13585
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13585

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cattgcttct ttcttcgaaa agcttgtacc gagatctgga tccacgagtt ctagaagact 180
cccttgcttct tgcaagacat atgccagtc aagaaggtaa ataaactcct cttttggtct 240
gtaatttgtg ttgctctttc cgctaacaat ctctaaacag actacaccga agctataaac 300
atcctgcttt gtctgttaag taanctctca ttgcatactc ngganccatg taacctctgc 360
atcaatgaan tattaagtcg ggaagtgtta accantcana aggnnagggg gncccnanng 420
nccggnntna gcgcnnngnt 440
  
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<210> 13586

<211> 424
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13586

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 tgtcctttct tcaagatgga agaggatcat gagegtatcg tggagggtcac taccctaata 180
 ttcaatggta taatctctgt gatggatcca agtagaagct gggcggctag gtggttaaga 240
 atcgggaagt ttgctcctgg ttgctacaca cttgctgtct cagagccact ccctgaggaa 300
 atgcagcact tatgccaaga ngagcgtgta caatatgttc tgccgaaacg catgtgaaga 360
 aatctatcac gatgaaggct antaggaag accaaagtat tccacttttt caataaaaag 420
 cntc 424

<210> 13587
 <211> 446
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-C10

 <400> 13587

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 tatancgta aaaactactt tatctgaagc aattcttaag gatgctgggtc cttctatgat 180
 atgacacgat attggnaaca tctcaatcan tgn cattctc antggtggct cagattctac 240
 cagaaattcc acagcaatgc ttgaagagaa cacnntcagc gataaaacca gcgctaacgg 300
 gtttcagggc tctcgacgag atatactgan gtangggagt cntggcattg ctctttcttg 360
 tgtnacttc gncgtcacca actggtnccg aatgcattat gcttcnccga aagctttgtg 420
 gaatgcattg gttggaacan ntnccc 446

<210> 13588

<211> 370
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-024-Q1-E1-C3

 <400> 13588

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 naggcagtcg aggataaatt aaactgataa tgagactcga acatagacag aggcaatggt 180
 gatacgaagt ggatcaaaga cactaacaat ttctactcac attattgtac ctcaatcatt 240
 tatcattaga caatgaaagt gtgatgttct gtctgtgaa gcttgtatta ccacattgta 300
 actaaatgtt ttatcttcat tcatccaatc ccgtaacgta attgaacgcc aaaaananann 360
 nngngcgnng 370

<210> 13589
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13589

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 cattcctcgg atatatctct ctttctgcgg cggcgacaag aagctacagg gaataaggaa 120
 gtctgttttc tctcttttca agaaaccact tacttcgaaa atggctcgtt ctatctctaa 180
 cgtaagatc gtatctgctt tcgtctctcg tgaactctcc aatgctatct tccgacgtng 240
 ttatgcgggc acggcggcgc aaggganctt ttcnagccgg tggaanaagt ggagcctggt 300
 gctccggctg tgaatgaaga anaaaggaan tggnagaatc aaccaagaaa atttcttggg 360
 gttcaagatt ccaaaaacgg gttattacaa gaccgcgaaac cggttccacg ngattgaccc 420
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<210> 13590
 <211> 455
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-C5

<400> 13590

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atggacgagc aaacaagctc catatctgga acgatcttga tcccaatcag aagcactcag 180

acctctttgt gcagtgtaaa tctggaaagg ccgacatggg aaaacattat gtcaagtatg 240

gaaaaatata tcaatttgat attagggata atttttggaa gacgacactt ttttgggtgta 300

ccttttagaca tgggcctgat tataggactg gccacaatt tgatgtgtat gaatatnaac 360

cgggtgtggc tcaaggaggc acatatgant ggacagctag agaagatggn atatatttta 420

ngttaaatca aggtacgatn canaaaagtc atnat 455

<210> 13591

<211> 468

<212> DNA

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<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-C6

<400> 13591

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ttctctcca gagccaccg gttttcgctt ctcttccttc ctcccaagat gaacccgccg 180

tgtcgcagct gtttccgaga aatttcattg cttgggacgg agactcgcg gtatactact 240

gggattcgag acgatatttc cttcancgat tatctctgcg cttgggtgaa cctgaaccat 300

cctccgtcct cgccgcagtc ccgtccaagg tgatgcaacc agaccttcag gtgacatttt 360

ctgtagcaa aatctccatc aataagtctg ggattaagcn gtacttcttg cccggctcaa 420

gatggggata ngttgtgatt gtaccaant tgggacgttg cttccgng 468

<210> 13592

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-C7

<400> 13592

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tactcaacac ctttctctc gctcggtgca tcgtatatgt attcctcatt ggctgctgca 180

aaagccgctg taatttctgt tgggtgaagaa attgcaagcc agggactgcc attaggaatc 240

tgccctcttg tatttgtctt caccggaaca ggaaatgttt ctctgggggc gcaagaaatt 300

ttcaagcttc ttctcacac ttttgttgaa ccaagcaaac ttctgaact atttgttaaa 360

agacaaagga attaagtcaa aatgggattt caacaaagcg agtctatcaa gtatatggtt 420

gtattattac caancaagac atggntgaac a 451

<210> 13593

<211> 393

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-C8

<400> 13593

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gcctgatgga tcgattcttc gtgctcgact ccctggtaga ccaactcgcg attgtttggt 180

cgctgatcct gcccgatg gtgtcagctt gctaaagata tggancatga anaagtncac 240

tggagttctt ggcgtgtata actgccaaagg agcagcttgg accagcacag agagacncga 300

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atgctgcatt cnactatcgn ggacgncttc cnc 393

<210> 13594

<211> 59

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-C9

<400> 13594

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<210> 13595
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13595

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tgtgttcccg ttgttatcgc cgatgggatt caattaccgt tctcggagac ngtacaatgg 180
ccggaaatct cactaacggt ggcngagaaa gacgtgagga atctacnaaa ggttttggaa 240
cacgtggcgg ntactaatth gtctgcaata cantgaaact tacatgaacc ggtgtttana 300
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<210> 13596
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13596

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agaagagaga ttggaaggag aaggcagagg ctttggccac gacggcaccg ttagctccgg 180
tcaccagtca gcgaaaagta cggaacgatt tggaggaaac attaccaaaa ccatacatgg 240
caagagcatt agcagctcca gatacagagc atccgaatgg aacagaaggt cacgatagca 300
aaggaatgag tgttatgcaa caacatgttg ctttcttcga ccaaaacgac gatggaatcg 360

tctatccttg ggagacttat aanggatttc gtgaccttgg gttcaancca atttcctcna 420
 ncctttggac cntactcata aacntaacgt tcaactacgt tacacnttcn aanttggggtt 480
 gccatcaciaa ttatgccngg ttana 505

<210> 13597
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-023-Q1-E1-G9
 <400> 13597

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 aaaatgatcg cttggctggt agcaaattgg ttggtagctt gaccagggga tctgtccgct 180
 ctcccttggc tcagtgtctt ttgatacggt acaccagcca gggtatccgt gacatggcca 240
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 aggcagaaat ggtgatcctt gaggctgcca gggcaattac tgagcttgat ggtgtgacaa 360
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 tgttgaga 428

<210> 13598
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-023-Q1-E1-H1
 <400> 13598

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 gatctttaat ggagagttag gagcaaaacg acgttgcttc agccattcat ttactagacg 180
 cggctttatc aatatccccg cgttcggaaa ctgcggttaga acttaaagcc agatctttgc 240
 tctttctacg tcgcttcaaa gatgtagttg atatgcttca agattatate ccaagcctca 300

agcttgccgt gaacgangaa gatggatctt aatcatacga aagggtcttc ctactentcc 360
 tccctccttc tcagctctcc cgggaaactt ctctccggac tcctctcttc gccgtgactc 420
 aaccntcaaa tgnntt 436

<210> 13599
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-023-Q1-E1-H11
 <400> 13599

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 gaggcctcag gtcatatcgt gacggtggag ctaaagagcg gcgagcttta cagaggaagt 180
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 gtcataccag acattctcaa acatgctcca atgttcaagc ggtagatgc tagaatcaag 360
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<210> 13600
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-023-Q1-E1-H12
 <400> 13600

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 cgtggcattc gggttcgggt caaatacggg tcggtccatc acgagatcag tatcaactct 180
 caatctactt tcggtaaagc acacaaaaca ttccgagtta tacagtattt cctttatact 240
 attagtatgc tctgtttttg gaatttgatt gttgttggtg ttgaatttaa caacagggga 300

attaaagaag atattgtctg gtgcgacagg agttcatcat caagacatgc agattatata 360
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 tccaaaactt atcctaaana aga 443

<210> 13601
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
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 <223> Clone ID: LIB25-023-Q1-E1-H3
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 aattgaattc atctcctgca aggggtactc caaattgcaa ctcagtatgc cgaatttcta 240
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<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-023-Q1-E1-H7

<400> 13603

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tgctaatacgt catgaaaatg acgacggagg aagcggcggt tctgagattg gagcaccgga 180
tctggataaa gacttgcttt gtccgatttg tatgcagatt attaaagatg ctttcctcac 240
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ttgtccctgt tgtagccaac acctcaccaa taatcagctt taccctaatt tcttgctcga 360
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t 421

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<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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tgaccaagat tcgtcaagaa atcaacacaa atctatttcc aagaaacaag accgacgacg 420

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caccgg 486

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<211> 447
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<213> Arabidopsis thaliana

<223> unsure at all n locations
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<223> unsure at all n locations
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<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

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gatggatttg acttcaaagtg aggaatggtc cattgttcaa ggagcacttc aaattcttac 420
tgtagctgat tgtctcacga agcaagtctt ctgtctttga agcctctttg agagcaactc 480
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<210> 13608

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-024-Q1-E1-A6

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gatgcattcc agtcatcttc ttctcgagga gccgatcagg atggcttcaa tcctcgagcc 180
ttccaaatct agtttcttcc cggcattgac taagatcgtc ggaactctag gtcctaaatc 240
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<210> 13609

<211> 443

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-A7

<400> 13609

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agagatatca agcctgataa tctgctactc gacagaagcg gtcacatgaa gttatccgat 180
tttggattat gtnagccatt agattgtagt attctccagg aaaaagattt cgtattttgca 240
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tctcaaatgg aacaattaca aaactggcaa ganaaataga angatgcttg cttattctac 360
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<210> 13610
<211> 51
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13610

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<210> 13611
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13611

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atcaccatca tccatgatga acaatggatc catgaacgaa ggaggaggac atcaccacat 180
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ttggcccgga acaagctccg gcatgtatgc tctttgtctt atctttgtct tctttctcgc 300
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 taatcgtgcc gccgggttaa tccaaaccgc cgtgtatacc ctccgtatcg gcctcgccta 420
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<210> 13612
 <211> 99
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13612

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<210> 13613
 <211> 537
 <212> DNA
 <213> Arabidopsis thaliana
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 tagaagactc tccttataag aagactaatg gaactgcttc atctaggacg agaaaactaa 420
 actcatacat tanatcaaca gaagctagnc cttctgcat ccgtcgatta aaacagcaag 480
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<210> 13614
<211> 116
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-E5

<400> 13614

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<210> 13615
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-E6

<400> 13615

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gaagaggaaa tgcgagggtga gatcgaggag cgactaatca atgaagagta caagatctgg 180
aagaagaaca ctcccttccct ctacgatctc gttattactc acgctctcga gtggccttca 240
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aagatgattc tcggtaccca tacctccgag naccgagccc aattacttga tgctagccca 360
agttcagctt cctcttgacg ataccgagag tgaactcgtc agtacnatga tgancgctct 420
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catgatggtg angttaatcc anctccc 507

<210> 13616
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-E8

<400> 13616

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 gttttgggtg ctgagaaagc ttcagccaat gcacgagtag agttggaggc tgctgagagc 180
 aaactttccc tagtggaagg tgaaccggtt cttgggtgaga atccagcgaa gatgaagcgt 240
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 <213> Arabidopsis thaliana
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 g 181

<210> 13618
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-F8
 <400> 13618

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 ggaggaggag gaaccgctca atttcttcca taccggagta ataataacaa actcttcact 180
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gaanggatgg gattatcaag ccgggttaaa ngtaacctaa tgg 463

<210> 13619
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-022-Q1-E1-F9
<400> 13619

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<210> 13620
<211> 511
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13620

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<210> 13621
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-G6

<400> 13621

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 catgttccga gcaacgtacg agtcaatcac caagggtaac cccatgtgga ataagctgtc 240
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 <212> DNA
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<210> 13623
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<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<223> Clone ID: LIB25-022-Q1-E1-H1
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cattgagact tgtttctggc ccggaagta tgcattagag ctaagttcag ccgtctatgg 180
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 caaatgatgg tctaataattg tggggatgca attaaagaat ggggtgacag actatgtgaa 360
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<210> 13626
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 <223> unsure at all n locations
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<400> 13627

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<211> 252
<212> DNA
<213> Arabidopsis thaliana

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 tgcaagtgga caatttggtg gtcttgctga aatgacagga ccagttgatt tcaacacaaa 240
 tgtggagtac tggcagcaag ataagtggac cggctctttc cccctcaagt ggcatattgt 300
 gaaggatgtg ccaaacagtt tactgaagca tattacttta gagaacaatg agaacaaacc 360
 tgttaccaac agcagagaca cacaagaggt taagttggag caaggtttga agattgtgaa 420
 aattttcaaa ggngcataac agcaaagact tgcattttgg gatgatttcc tcattctacg 480
 anggttccga cagaagacta tccttgngg aagaaagcca agccaaacc cagaaacaag 540
 gt 542

<210> 13631
 <211> 528
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13631

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 gattcccag agaaagaaag aacaaaaaaa aaacatccga gtgaaaatga gagaaattct 180
 tcatattcaa ggaggtcagt gcggaaacca gatcggagct aagttctggg aagttatttg 240
 cggcgagcac ggtattgatc aaaccggtca gtcattgtgc gatacagatc tacagcttga 300
 aaggatcaat gtctatttta acgaagctag cggaggcaaa tacgttcctc gtgctgttct 360
 tatggatctg gagcctggaa ctatggattc tctcagatct ggggccggtt ggtcanattt 420
 tccgggctga taacttcgtt tttggtcagt ctgggtctgg gaataactgg ggcgaaaang 480
 tcattacacg gaggggagct gaattgattg attccgtggc ntgaaggt 528

<210> 13632
 <211> 537
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-C4

<400> 13632

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accacgcgct ccgatentca tcaanaccgc ctccccaggc tacttccaac accagcacca 120
atgccaatgc aggctcgagt gtttctgcta cctcatctga aaacagtgct gttaataata 180
gccagaggaa acctttttaga cggaataaca acacatcatc ttccagtacc agtagtaacg 240
tctccaatgc tgcgcccttta aacaccagag atcagaatca cagccaaagg ggtgggtggct 300
cttttggttc aggggaatttc cgtaattctc agaggaatcg caacagcagc tcttaccctc 360
gtggggaagg tcttcaccat ggaaacaggc gcaattatga gcatggcaac caaagcggct 420
tttctcaccg taactatagt gggagagaca tgcacttgca accgcagagg ggtgttggga 480
tgatttaggc cccatttatc tanccaagat tatgcacanc atgtctttat gccacag 537

<210> 13633

<211> 490

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-C5

<400> 13633

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gctaaagaaa cctctgccac cgatttgaaa agaccgagag aagaggatga taacggcggc 180
gccgctacca tggagacgga gaacggagat cagaaaaagg aacctgcttg tttctccact 240
gttattcctg ggtgggttctc tgaaatgagt cctatgtggc caggagaggc acactcattg 300
aaggttgana aagttttggt tcaagggaaa tcagattatc aggatgttat tgttttccat 360
tcngcancat ntggaaaagt tttgggtttt gggngngnat ttactccanc tttangggan 420
aagaatantg aagtgtcgct ttatcaggga atgnnttnca ntcaattttc cctnttggg 480
gttnanancc 490

<210> 13634

<211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-C6

<400> 13634
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 gtcgctgtga aggtagtgtc ctgtttttcc gatcaattgg tttgttccga tcgtttctcg 120
 tttacgcttt ttgttatcct tgagaaattht tacgttgcaa gagagatctt tgattcatgg 180
 gtgttgaagc attcgtgtta aaatgtatga ttgatcttaa tcagtgagat cggtgagctc 240
 aagttctgtg ttttgtaatt gagattcgaa gaggtatgtc aacaaagtta tggagatggg 300
 tgttagggct gatataccta tttgccgttg ccacgatttg gattgaggct agttttgtag 360
 tccaagtctg tggtggaagc tgggtgttct ccgttccttg atcactttca tttgtaatca 420
 ttgggtccgtt gtttaacntc cccttttttg 449

<210> 13635
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-C7

<400> 13635
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 gaaatcagct ggtggtggtg atgatgtgtc ttatggaagt ggaggaagta gcggccatgg 120
 taatctcgat agccaagggt gagctatgga accagaagct tagagattta atcatcattt 180
 cgacctgca agtgtctgat tcttatatgt ctatgattcg aatgacttac tcgagagaga 240
 gagagagatc aaacaaaaca gaacaaaaaa gctctttttc atttttcttg ttaacttata 300
 agttattgca gcaaaactgc agacttgctt aactatatat taatctaaat gtgcagattc 360
 taatcaaaan nnaannanng ncnngcngg ng 392

<210> 13636
 <211> 449
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-C8

<400> 13636

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gatgaatcag cacatgtgat gcagttcaag tggctctgatt ttaggattct tgatcgtgtt 180
agcattgggc atggcggcag ggctgatgag cttgtgtttg aagctatagt tcaggttcca 240
gataggtcag tttctacttc atatgtatta caagatttca agatgaattt cagaggcttc 300
atctgtggtg cttcaatttc acaagccctt tgtttaacca aggagttgtt cttcggaaat 360
tgaataccac tcgagctcaa agacgaagaa gaagagctat agaaatttcg cctccctttt 420
aatccantaa gttaccta at ggaatcccc 449
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<210> 13637

<211> 515

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-D10

<400> 13637

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ccacacgcgt ccgcnaacgc gtccggcggt tctatttatg aggcgcctta tttccatgga 120
gctacacatt tgcttgaaag aatggctttc aagagcacgt tgaacagaac tcattttcgt 180
cttgtgaggg aaattgaggg tattggaggg aacacatccg cttctgcgtc tcgagagcaa 240
atgagttaca ctattgatgc tcttaagacc tatgtccctg aaatggttga agttcttatt 300
gacagtgtta gaaaccctgc tttcttgga cgggaagtga atgaagagct acggaagatg 360
aaggtagaga tagcggaact tgcaaagaac cctatgggtt tcctcttgga ggccattcat 420
tctgctggtt actctggtcc attggcaagt cctctgtacg caccgggagt ctgctttaga 480
tagattgaat ggggaactct tgggaagatt atgag 515
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<210> 13638

<211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-022-Q1-E1-D11
 <400> 13638
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 aatctccgga ttatttgcaa gaatcggtcc cagataatct tccccagatt ctccacttct 120
 ccagctctga tcggagtgtt gctcgaacag cttgaagaag acgacgaaga tatggctact 180
 tcgaagaaaa tgatcacacg tgaagaatgg gagaagaaac taaatgctgt gaagcttagg 240
 aaagaagata tgaatacttt ggtgatgaat tttcttgtga ctgaaggata tgttgaagct 300
 gctgagaaat tccaaagggg gtctggaacc aaaccagaga tagatcttgc gaccattact 360
 gatcgaatgg ctgttaaaaa ggctgttcaa aacggaaatg tcgaggatgc gattgaaaaa 420
 gttaatgatt tgaatcctga gat 443

<210> 13639
 <211> 533
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-D3
 <400> 13639
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 cacgcgnccg tgaagttact tgtttcagtt cccgatgatc aattcttagt ttttttggct 120
 tgttttcttc gtctctcttt catcaggcct ttggagtgtt gtgttaccat tttcgctcgc 180
 gtcattactg gtgttagggt tttcttcaaa agcttcttaa tccgtcgaaa ttgctctttt 240
 ctctccctca ttgtcgacag agataaatgg cttcaaagat tattgctggc aagccggatg 300
 ataccgagta tgaaatcatt gaagggtgagt ctgagagcgc tttagcagcg gggacaagcc 360
 cttggatgaa ttcacaaacg ttgaagcttc gacatccaat tggaagaagt cccttcgggtg 420
 atgtttggct ggctactcat canccagtca actgaggggac tangatgnag catcatgaag 480
 gtggcctca anatgcctta tcccatcagg ggaagattca aagaanggggt tgg 533

<210> 13640
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-D5

 <400> 13640

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 tacttcctaa tgtgcatgaa attaccgggt caacttctgc cagttcgttt acaaacatga 120
 tacaacatct cttggcagct gctgacctct atgaccttgc aagggttaaag atattatgtg 180
 aagttttgct atgcgaaaaa cttgatgttg ataatgtggc aacaacactt gcgttggctg 240
 aacagcacca attcttacag ctcaaagcgt tctgcttaga atttgttgca tctccaagca 300
 aacttgggag ctgtaatgaa gtccgaaggg gttcaagcac ttgaaacaga agctgtccca 360
 cttggttaac ctgagttgct gaacnactgg ttgcangcag cagntaagaa gctcgacgan 420
 ttgggcaatc aaancaagna aaagnaattg cgagcaantg tatt 464

<210> 13641
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-B8

 <400> 13641

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 aacggggcttc ttcagggatg aaattctctc agtcgactgg taaatcaaatt tctgttgaaa 180
 aggagattga agaagtgaaa atgaaaccaa atatggatat ccgtctgagt gatatgaaac 240
 ttgttttagg accagagctg aggataatgt accctttaat tcttaatttt gctgttagtg 300
 gtgagcttga acttgatggc atggctcatc caaaatttat caaaccaaag ggtgtcctaa 360
 cattcgaaaa cggagatgtc aatcttgttg ctactcaggt acgtctgaag anggaacatc 420
 tcaacgttgc aaagtttgag cctgaacatg gactanatcc tcgctaaatt anncctaagt 480
 tggttcaaaa tggcaaattt aagggtt 507

<210> 13642
 <211> 445
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-022-Q1-E1-A11

 <400> 13642

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 ttcaatgtca ttgctgtgat tctctttaag tccagacata actcccatat cttcttcttc 180
 tgtctttttt tatttctttg aaccggagaa gaagaagaag aaggagaagg atatatggga 240
 ggctgtactt ccaaaccttc ctctccgctc aaacctaatc cttacgcacc caaagacgcg 300
 gttctccaaa atgacgattc tacccttctc catcccgga aatcacgggt tcgttcatct 360
 cccgccgtaa aggctctctc ttttttccct ttttacacgc ctagtccgc ccggcaccgc 420
 cgtaacaaga gccgcgacgg gggggg 445

<210> 13643
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-A12

 <400> 13643

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 cgccacacgc gtccgctaag atcctccatt tgaggggtgag tcttgcgat tctcgtgtca 120
 tcttgaatgt gctttcaaca ctgaaaaatc cggctcttga aaagacaagc aaagtgaggg 180
 atgtgcttc tattgtgtct cttgcggtaa agcaaacagt ttgcttgaat gctggaagaa 240
 gcaattgacg attgctaaag aaaccagaag ggtagaagt ctttggtacc gtcttttctt 300
 agtcagaaa ctattgaaga gctcaactaa ataccgaaat ctgtgtgagg ttgtggatga 360
 agctgtcaag actcttgaag ctgatgtggg tcctctcact ggtcttccta tgaaaatggg 420
 tagaggaatt gtaaacagac ttcattcggg acccgatgtg cagaaacttt gctcttctgc 480

tcttgaatct cttgaaacta tagcaactac acctcc

516

<210> 13644
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A2

<400> 13644

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ctccattctc aagcttccat tatctcaatc tccaggacaa gaatcctcaa acgggtctct 180
cagaatctct ctgtagctaa agctgcttca gctcaagcta gtagtagtgt tggtagagagt 240
gttgctcaaa catcagaaaa agatgtgttg aangctctgt ctcagattan tgatcctgat 300
tttgggacag atattgtttc ttgtgggntt gtgaaagatt tgggggatta atgnaagctt 360
tggggtgagg tttccgttcc gnttgggagc tgaacaacaa cccgnatgtc cagtcaaagg 420
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<210> 13645
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A3

<400> 13645

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cctcttgata cctgtaaatc caagttccaa gccgagattc gtgttcgcgg tcagcagaaa 180
tacagatata tgtagatgt gttttgggaa gcaatttcat caggaaatgt tctctccttg 240
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agttatagct anttcaaaga agggtagatt cccaaaagga tgggttctaa agtccattgg 360
gnancaaaag ggctaattct cctcaantgc tggcggctgg cctggtggcc ttgtncctc 420

ctgggttttg actccaaacc tccganaata aaaagcttca atccgangg

469

<210> 13646

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-A4

<400> 13646

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cgacccgtaa accgaaatcc tcaaaagaaa ttgccgatcg gtttgctact gttcaaaacc 120

tcggtgccga gaaccgaaac tgtcggtttt ttccggttcgg gtttctcggg ttcttccgaa 180

ctcccaggcc tagtttggtt ttatTTTTca cgagttttgc ttctcttttc atcggcgacg 240

acgacgtcga gtttctgtca aaacgttaac gatccgactc gagcgtcgac agtaagagaa 300

gaagacagcg attgtgtgta gatcgacggc gaacgtgtgt ccattcgtct cgatngacgg 360

agaatacgtt tcgatccggt ttcgattcaa atcngagagt ttgaggatct aaatccggaa 420

attgcattaa tactcanctt ccaaantctc tcnggaag 458

<210> 13647

<211> 556

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-022-Q1-E1-A5

<400> 13647

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catggccgat tcttctctct ctaccatttt ctccatctct tccatctct ctagnatctc 180

ttcttccaga attcgcagct ccagtgtttc cctccttacc ggacgcatta acctgcccct 240

ctctttctct cgcgtctctc tatctcttaa naccaaaacc caccttaaaa aatccccctt 300

tgtctccttc gttgncaga ctccggattg ggctgaagaa ngtggagaag gaacgtcgct 360

gttgangaga ccgagaacan gtttttagagt cacaaggatg ttgagcnnaa gggagatgag 420

angcgaangg gagaatgccg aagccgaang gaagaattgt tgaagccgaa agggagaatt 480
 taanaagccg aaanggggna atgttaagcc gaaaggggaa nctgtttnaa ncngaaaana 540
 aaccttgann ttttcc 556

<210> 13648
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-A6
 <400> 13648

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 tcggttaacaa ccaccataac ttctctcggtg gagctggtaa tcgtttatca gccgaatctt 180
 tgccgttaat cgatacgctt cttttgtccc agtcagaact tcgcgctctc tctcagtgtt 240
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 tgacaccaaaa gatcgatcgc tccgttttca atgagtcgcg tggtagncgg aaacagacat 360
 ttctccgtct ccgccttgcg cgccancctc aaacancggg aggaaantcc ntcgncgcaa 420
 cgtcagagag acgantcttc ccgttaaana 450

<210> 13649
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-022-Q1-E1-A8
 <400> 13649

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 ataagacagg aagaacgaaa ccggttgtgt tggatggtgt tcaaagaggt tgcaagaaga 180
 taatggttct ctatggcgga aaagctgtga aaaccaactg ggtgatgcac caataccatt 240
 tgggaataga agaagacgag aaggaagggtg attatgttgt ttctaagatt ttctaccagc 300
 agccacaaca gctagtagtc aagcgagggtg ataaagctga acaggaagtc tctgaggata 360

tctttgctgc agtgactcca acagcggatc ctgtcactcc aaaattagct acacctgagc 420
ctcgaaatgc tgtgcga 437

<210> 13650
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A9

<400> 13650

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ccgctatttc ccgatgaagc tctcccaact aaatctggct acctcccggt taaaccgcga 180
cccggctcgt ccatgttcta tgctttctac gaagcccaag agccaaccac acctcttctt 240
gacactccgc tctcgttttg gctccaaggt gggccaggct gctcttcaat gattggcaac 300
ttttacgagc tcgggtccctg gcgtgtagtt tcacgcgcca cagacctcga gcgcaacccc 360
ggcgcacgga accgtctatt cggactactt tttgtggata acccaatagg agtcggattc 420
agcatcgcag cctcacaaca agacataccc acaaatcaga gacaggtcgc tgagcatctt 480
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<210> 13651
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-B11

<400> 13651

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ncgccncacg cgctccgtnt aataaagtc ttctcttggt aaaatctctc gaattttcat 120
ttttgtcca ttggagctat cttatagatc acaaccagag aaaaagatca aatctttacc 180
gttaatggag gaagtatctc cggcgatcgc aggtcctttc aggccattct ccgaaaccca 240
gatggatttc accgggatca gattgggtaa aggttactgc aataaccaat actcaaatca 300

agattccgag aacggagatc taatggtttc gttaccggag acttcatcat gctctgtttc 360
 tgggtcacat ggttctgaat ctaggaaagt tttgatttct cggatcaatt ctctaattt 420
 aaacatgaag gaatcagcag ctgctgatat agtcgtcgtt gatatctccg ccggagatga 480
 gatnaacggc tcagatatta ctaccgagaa gaanat 516

<210> 13652
 <211> 527
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-B2
 <400> 13652

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 tgtgactaat tcttaatcat catcatcatc atcacttact taaatctaaa aaaatctctg 180
 tttgtatata tattatcttt gcgattttta tccaaatctt ccaaagctta gttttttttt 240
 tttttcaatt tctctcttgc gttttcgatt ttattacaag aactttggtt tgggcttcat 300
 ccatcgttca aggttcgttg aaaactatga agaaagttga gttttttatg ctcttctct 360
 gttcatcgc agcgatcatc ctagtgtctg ctgatccanc aacangtcct gctgatttgg 420
 gaagcaagtg tagtgattct gatgactggc aagggtgatt cttccctgga atccccaaga 480
 ttaagtntga agggaccttc nnngtangaa ccacttgctt acangtg 527

<210> 13653
 <211> 461
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-B4
 <400> 13653

anagctttat tcttgcccta gagataccga gcgggagatt ccagattgag agcagcttcg 60
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 aggtattgaa gttatagaat ggactttgat gagtatgagt acttagagaa gacagttgaa 180

aatcctcacc tggagaatga agttggtaat ggtggtggtg atgagaaagt caaatctgaa 240
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 gatgaggatg gtcggccgtt ctaagcggtc gaagatcgca tcaccgttca cgttctangg 360
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<210> 13654
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 aaaagaggag tttgaggttg agtctgatga ttacatcaca tcaattgaag tttctgtcga 120
 caatgtcttt ggttttaaga gtgaaatcgt cacttctctt gtcttcaaga cttttnnggg 180
 aataacctca caaccttttg gaatggagac tgagaagaaa ttggaactta aagacggtaa 240
 aggaggaaaa cttgtgggat tccatgggaa agctagtgat gttctttatg ctcttggcgc 300
 ttatttcgct ccaacaacaa attcaactac gccatcgact cttctacat ctaaganact 360
 acaagcaaga ggtggaaatg gangagcttc ttgggatgat ggtgtttttg atgnggttan 420
 aangatactt ggtangtcaa gggaaacnat ngnggtagcc ttcngttacc ttttgagttc 480
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<210> 13655
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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ttaatcatatc tgtgcggtttc tacaaagttt gttcctttct tcttcaactc tctcactcgg 180
 agtcacaggg atctgtttct tttctttttt tgctttcact cttctcttcc agtgagagag 240
 agtgagagaa aatgggtgaag cttttgttag taggggttgt tgtggctggg ataatactgg 300
 gaactcaggc aaatgaatat ttagatttca atgtgacaga antagatcgc attgaggaat 360
 tagagtttgg nttttccaaa tatagctcca atttgaacce tttnatgggt ggnctcacc 420
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<210> 13656
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-020-Q1-E1-G3
 <400> 13656

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 cttatcagtg ggaaggagct gttgctgaag atggaagaac tctagtgtc tgggatactt 180
 tctccaactc ttacgataca ggtaatggag atgtaacatc tgatgggtat cacaaatata 240
 aggaagatgt taagctgatg gcaacaatgg gcttagaatc attcagattc tctatctcct 300
 ggtcaagact tatacctaata ggaagaagga ctcatatc caaaaaggac taatgggtta 360
 caacaatctc atcaaaagac ctaaaagcc aagggatcca accacatgtt acacttaaca 420
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<210> 13657
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13657

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cgtccgaaaa aagaagagaa aaggagttat atatggattg tattttactt attctgacta 120
 ctcttggtgc cattttcatc gtcaagattg ttctcctagt cactaaacct aacaaaaacc 180
 ttccaccgtc gccaaatata tgttttccga tcatcggaca ctttcacctc ctcaaaaagc 240
 cactgctaca ccggactctc agccatctct cccactccct cggccccgtc ttttctctac 300
 gcctcgggtc tcgccttgcc gttatcatct catctccaac ggcagccgaa gaatgcttct 360
 tgacgaaaaa cgacatcggt ttagcaaata ggcctcgttt catcatgggc aagtatgtgg 420
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<210> 13658
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 tatccgatgg attctgatta ccacgcgct ggtctggtgg caaacgatcg ttcaccagct 180
 cagtttggtta ggctggataa accgagagcc gtagacgatc tctatatagg caagagagaa 240
 aagatgcgta ggtgggttg ctgtgcttgc cacgttgaag aaccttacca ttcttctgaa 300
 aatgaacacc tcagaagccc taagcaccac aatgattttg ggcacacac tagaaaacca 360
 cangcggctg tgaagcctga tgctttgaag gagcctccat ctattgatgt gcctgcattg 420
 tcattgggat gagttga 437

<210> 13659
 <211> 513
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-G8
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ggttgattac cttatcaagc ctgtacgtat ggaggcactt aagaacatat ggcagcatgt 180
agttaggaag aggagaagtg aatggagtgt accggaacat tctgggagca ttgaggagac 240
tggcgagaga cagcagcagc aacatagagg aggtggtggt ggtgcagctg tttctggtgg 300
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ttcacggaag aggaaagacg aggaaggaga agagcaagga gatgataagg acgaagatgc 420
gtcgaatttg aagaaaccgc gtgtcgtctg gtctgttgaa ttgcatcanc agtttggtgc 480
tgctgttaat cagctccgcg tttagaaagc ggg 513

<210> 13660
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H1

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cgattctcgt tcaggttcat ntgaatg 87

<210> 13661
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H10

<400> 13661
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cttgaatatt tatcggaatc aaagcttggg tttttaatcc tggtaaagcc atgtcacata 180
tgggtgtttca gagcgttggtc gctcccaaac ccttatctcc tctcaaacc tgtttaccta 240
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cgctcctcggtt tcttgatgat gattcagttt caggactcga gcgttgctta cagttacctt 360
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ctgtgatgaa aggcaaattt ggttcggtag gagctgttac tttggnaaaa gggaaacttg 480
atatgaccca aaagattctg agaacaa 507

<210> 13662
<211> 72
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H11
<400> 13662

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tgccaaacac ca 72

<210> 13663
<211> 441
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-020-Q1-E1-H12
<400> 13663

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tgatgtcatc cgatctatcg aggtcgaata cgacggaacc tcccttaagt cccagccacg 180
tggcaccgct ggcaccaaaa ttgacggatt tacactgagc tctgatgagt atataacgga 240
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gacgaacaaa aggacatatg ggacttacgg aaataaaaacc agtagctact tttctgttgc 360
cgcacccaaa ggataaccaa gattgtcggg tttcctggaa gtagcaacca tgctctcaac 420
tccatcgacg ctcaatttgc c 441

<210> 13664
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-H4

<400> 13664

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aagcgagccg ctaaactgga gaagttgctc cgtaaacagg aacgagaaga agccacatca 180
tcattctctt ctctggagga ggaggatgaa tcgtgttcca gcaactacgg tgacgtgact 240
actaacgagt tgcagtcggc tgttgaggga aaagagctca ctgatgtgag caacttggtt 300
gaagagattg tggggtcaga ggtttcgatc agagggtcgac tgcacaagaa tcgcttagtc 360
ggtaccaa at tgtttgtgat cttgagggaa agtggattca cggttcaatg cntgggtggan 420
gagaacanaa ttggtgcaaa catgattaaa tttgtcaagc aactgantcn tgaatccgtt 480
gttgaaccta ncgggtgtcct cccctcaanc 510

<210> 13665
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-H5

<400> 13665

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ttggcggttt gatccgattt tgaactcttg gagtgaagtt agttctatgt tggcgagtcg 180
ggcttattcc aaaacagggtg tattgaataa gaaactatat gttgttgag gggttgatcg 240
gggacgggga ggtttatctc ctcttcagtc agctgaggtt tatgatccaa gcacggatgc 300
ttggtcagag gttccgagca tgcctttctc aaaggcgcaa gtgttgccaa atgcgttttt 360
ggctgactta ctaaagccta ttgccacagg aatgacttgc tacaacggta ggttatgtgt 420
tcctcaaagt ttata 435

<210> 13666
<211> 418
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-H8

<400> 13666

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cgaaaggcaa gattcctgac tgggtggggtt gggcttactg ggtatctect ctcacctatg 180

ctttcaacgg tctagtagtc aatgaaatgt ttgctcccag atggatgaac aaaatggctt 240

cttccaacaa cacaataaaa cttggaaact aatgggtgctt aataacttgg gangtntaac 300

aacaaaagaa ctgggtactgg atttcaattg ganccttgct ttgtttcana nncctcctca 360

acattccaat caacttggn ctaactanct caaacctcct gggaaaaaag naagttta 418

<210> 13667

<211> 94

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-A12

<400> 13667

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acagcataac cacatttctg gagcttcaan ggaa 94

<210> 13668

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-A2

<400> 13668

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gggaggacaa tggcagcaca ttctagaagt gtatcagagc cagatttcag taggacgcc 180

atacaggatc agactgactc ctcaaaagac aaaagctcct gatgggggtga cacagggtga 240

aatcaactcc ggaaggtgcc aaagttctcc gggttaacct gctttggtaa ttgggcataa 300
 ttgaagnaac acttgtnagg gaaaaggcct tcccaanctc cgattaatcc nnaatngaag 360
 gcaaaacctg ggttaatgna gaaatcaatt ctanctaag gacnaattac cctaaaagaa 420
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 ccnccnc 488

<210> 13669
 <211> 523
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 gatcgggggt aaccaatggg tcctaccaag ggaattcctt gaatttccga aaccagaagt 180
 cgccgaacaa aggaaagaac caacaagtga aagcaatgac tgatgcccac agtttagcga 240
 gtgaaacaga tgatcaacct tcaacacttg gaacagacct caagggtcag aattattctt 300
 ccgaggcaag caacgttggg gaatctgatt ggggtgttgt ctccacatc caggagccag 360
 agggttctcg aaatcgtatt cctgttggga gggaacgcaa aacggttcaa tccattgtga 420
 actcggtcga catggatcga cctaaaagag aaaagcactg ctgtactttc ttctcccaga 480
 aaatgttgcc cagaatccnt caacaattaa ctgagaccaa ncg 523

<210> 13670
 <211> 509
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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ggcgaggcgg agcggatggt acggtggctt ccggtgagaa tcaggtcggc gttgatgctt 180
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cgccggcggt ggcgtttggt acttggggac tactagaggg taaaaaagta tgtgtgtagt 420
gagtgatcag tatccaagaa gttttctttt cttttgagtt tgtaattttg gtgtanaaat 480
cacatacggt gccttgcaag gctacatgt 509

<210> 13671
<211> 507
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-G10

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caagaatatt attccaggaa catacaatat ccgtgcaccc catccagagc tgcaagttga 180
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tgtccatata tatttgcatt cagatgatgt ttccatggta gattgtcccc aaggatctgg 360
tgacgctgct ggagaaagga aatctctttg ccatgctgta tccgatgcag aaggaatttt 420
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tacggtcctt gatgttcaact ccggga 507

<210> 13672
<211> 509
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13672

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atcccttttc ctcaccgtca catccccgaa aacttccctt cteccgcgcg cgtcgtcacc 180
accaccgtca caaccaccgt cattttctgcc gcctcttcca atccccctct ctcatectcc 240
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<210> 13673
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-020-Q1-E1-E5
<400> 13673

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tctgggaaag cacaatctaa cagcaccat cacttcgtac tctaggccag aggtgtttac 180
aaagtcacag tcatacttct ttgctcagtc tgtgaaaacc attgcggtga catccacagc 240
aaaggtata acttcaaagc agcttctcat tggtagctac ggggatcaga tattggcact 300
tgataaacga tttgtggatc cagccggac acttaaccg tctcaagctg aaaaagaaga 360
aggaatcatc cctctcactg atacattacc catcattcct caagcgtatg ttacacactc 420
ccacaaagta ga 432

<210> 13674
<211> 507
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13674

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 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13675

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caggaggaag gtactaagtt cctcggctcc tgaatgcatt ggtattctta agaatttcac 360
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 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F11

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<210> 13677

<211> 437

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F12

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<210> 13678

<211> 511

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F2

<400> 13678

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ccgatcgggtt tgctactgtt caaaacctcg gtgccgagaa ccgaaactgt cggttttttc 240
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gttttgcttc tcttttcacg ggcgacgacg acgtcgagtt tctgtcaaaa cgtaaacgat 360
ccgactcgag cgtcgacagt aagagaagaa gacagcgatt gtgtgtagat cgacggcgaa 420
cgtgtgtcga ttcgtctcga tngacggaga atacgtttcg attcggtttc gattcaaact 480
nggagaattt gaggatctaa atccggaaat t 511

<210> 13679

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F3

<400> 13679

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attgttcgat atcaatgggg aagaacaata agatcggaag cggtgttcgg atccgtcaga 120
tgcttaaaça atggcagaaa aaagctcaca tcggatctag caacaacgat cctgtttccg 180
atgtacctcc tggtcacgtt gctgtttccg tcgggtgagaa tcgtcggaga tacgttgtcc 240
gtgctaagca tttgaaccat ccgattttcc gacggcttct agctgaggct gaggaagagt 300
atggattcgc taacgttggg ccgtttagcga ttccttgtga tgaatcgttg tttgaggata 360
ttattgcgat tgtgactcgg tgtgagtcgt catcatcatc tggacnangt aatcctccgg 420
cggcgacgcn tgangatctc cggangtgta ntcagtgttg attggcgaag aacaacgttg 480
aatccccgtc cgttact 497

<210> 13680

<211> 511

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-F4

 <400> 13680

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 cgcggtccgcg agacgcntgg ggggggagtgc taatctatct ggagaactgg tgccacagct 120
 tgctcagctt ccaaatttgc agtacttggga acttttttaac aataatatta ctgggggagat 180
 acctgaggag cttggcgact tgatggaact agtaagcttg gacctttttg caaacaacat 240
 aagcgggtccc atcccttctt ctcttggcaa actaggaaaa ctccgcttct tgcgtcttta 300
 taacaacagc ttatctggag aaattccaag gtctttgact gctctgccgc tggatgttct 360
 tgatatctca aacaatcggc tcagtggaga tattcctggt aatgggttct tttcgcaatt 420
 cacttctatg agttttgcca ataataaatt aagggcgcca cctgcatctc cttcacatca 480
 ccttcaagaa cgtctgcaac aatantaatn g 511

<210> 13681
 <211> 196
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-F5

 <400> 13681

 caagangaag atcgttgaag gagangaaga tannanagga ctagtggaga agatcaagga 60
 gaagctccca ggataccacc acaatacagc acangatgat gtaccagttt ccactacat 120
 cccggtacca ctgtengaga gtgtggtgga gcatgaccat cccnaggaat agaagaaagg 180
 ttatntgaga agatca 196

<210> 13682
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-F8

<400> 13682

tcgtcngccc tgnncgtacc antcngnat tcccgggncc ncccacgcgt ccggagaaaa 60

gcaagattct ggtgatcgga gggactggtc acatcggaaa actcattata gaagcgagcg 120

tgaaagccgg acactccaca ctggctctcg ttagagaagc ctcgctctcc gatcccaaca 180

agggcaaaac cgtccagaat ttcaaagatt ttggcgtcac attacttcac ggggatttga 240

acgatcatga gagcttagtg aaggccatta aacaggccga tgtgggtata tcaaccgttt 300

gggagcatgc aaatcttggga tcaaaccaag atcatttcag ctattaaaga ancccggtaa 360

cgtcaagaag atccttgccg tctgantttg ggatggacnt ggacaantca antgcggttg 420

ancctgcgaa aaccggcttt tggaaggaaa ctacngccaa ggggangact ttnaancggg 480

aaggattcca tccnctt 497

<210> 13683

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-F9

<400> 13683

tgtttctctg gttaagactt ttctgtttcg gtgcgactcg ttttcatctt tcaaattcaa 60

atgcaaattc gaatctcccg cgaaaacgcg attgctctct ccggcgaccg agaaacatgt 120

tgtcagatcg tcaagagcct ggcgtattcg ttgcttatcc gatgatcctg gttcagagtca 180

tgttttcggt gcaagtagaa ggaaaatggg agtcttggtg tcgacgggtgc agcttctgtc 240

tcatatgctt ccgcaaaacg ggaacgcagc tgagatttat ccggtgatgc aaaacgaaat 300

aaggaaagtg gtgacaaagg gcaaggctgc tgggtgtgctt cgtttantgt ttcatgatgc 360

tggaaccttt gaactggacg atcattctgg tggcatcaac ggatcaattg cntaagaacc 420

ttgagaagac t 431

<210> 13684

<211> 499

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-G1

<400> 13684

ngnnnggaat gtccgttgca cggccgggtcc gactnttaac gggggggcccn acgcgtccgc 60
naacgcgtcc gccacgcgt cgcctaacct ttctttgaaa tcttgacctt tcccttcctt 120
ctccgctaaa ttcggttttaa tttcatcttc ttctttcttct tcaattcgat gcaataatag 180
tcacttcaat ctcaatctag gggttttcaat tttcttcatg tgaatttttt ttcccccttct 240
tctcaatttc aattcaatct gggattcgta aattctcgga agatgaaacg cgatttcgac 300
gaaatctccg aggaagagtgt gtctcaacac tcgtttaacg cttcgcgagt tcttaaacga 360
acacgggctc cgaagaagac tcgcgcgggg acgaatccaa cgccgtcgat tgagtccttt 420
gcgtttanga gaacttcgac ggngatgacg attgagagta atagcaacga tgggtgattgt 480
gttgaaaatg aggattggg 499

<210> 13685

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-E2

<400> 13685

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atcgatcctg aggatgagaa cattgatttc ctgaggatgt gccaaagcat aaaggagaaa 120
gaccctaact ttaagttcga gtttactttg gatgcaaagt ataagttaga aaatattgcc 180
tggtcgatatg cttcttccat tcagtcatat gaactctttg gagatgctgt tgttttcgat 240
acaacacatc gcttaagtgc tggtgagatg ccacttggaat tatgggttgg agttaataac 300
tatgggtgtcc cttgcttctt cgggttggtg cttctacggg atgaaaattt gagatcgtgg 360
tcatgggcac tacaggcatt cacanggttc atgaatggga aggcacctca aacgatatta 420
acagaccata atatgtgtct caaagaagcc atagctggag agatgccaac cactaagcat 480
gcactctgca tatggatggt t 501

<210> 13686

<211> 504

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-C11

 <400> 13686

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 gcgtccncga agatttcacc gactaatcgg agtttgatc ggagattaga tccgggaaat 120
 cactgacgaa tcctttctgg attttgatc ggtctatgct tctctactct acttgatctt 180
 gatcttcgag aaatttaact tcgttttgca attgatcgtc tcgctttaag aagcttgacg 240
 atccgttgat ctctttctgt gattttgagg gggttagggt taggggttta atttcgattt 300
 cggttgtcaa ttttgatggc ttcgactgct gatttcctcc tggatgatca aacggacgag 360
 gatttcttcg acaaacttgt tgatgattcc tatactccta ccgcttcac ctctgccaag 420
 gagctgaaat tcgatgacgg tagtgattcc gatgacgcca aaagctttgc taatctctcc 480
 gtcgttgacg atgttttggg gtng 504

<210> 13687
 <211> 254
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-C12

 <400> 13687

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 tctctttaga aactaagtta ttatgggtcac gaagggttaa gaaccctttg gttgattttt 120
 tgtcttggtc gtttggtatc ggatcctatg atactactat ttcgggttaa aggtgttatt 180
 aaccananaa aaaaaaaaaa aaaaaanaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 240
 angaanaaaag nnaa 254

<210> 13688
 <211> 503
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-C3

<400> 13688

nngnnnnggaa tgtctagttt ggacggccgg tccgacaatt aacgggncca cncacgcgtc 60
cgcnaacgcn tccgcttttt ctccggagct ctgactcttc ttctctccgg atccaaaaat 120
gaatcgtctc ttttctctct tctccatagc tctgatcgct ttcctctgcc tccaccatca 180
tgttctcgct tcttctctct ccgacttcga aggtttcgat gctgaagacg acgatgtttc 240
agaagattcc actgagcttc accactctct ccgtcctcct cttctgactc agtctgagtc 300
aacggttctg gatctggacc catctcccga ttctgattct actcctgcat ctaaattctga 360
tcttcccact cagaccgtga agccttcgtc ctccatctcc ttcgattact gggatgaaga 420
tgagttcgaa ggattgccgg aggacgaaaa atctacggga gtctccggtt ttttccgatg 480
acgcctcctc ctcttgcccg aat 503

<210> 13689

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-C5

<400> 13689

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gagaaaagcct tatttcatag aagaagaaga cgatggtttt gtttctttat ctgagatgga 120
agctggagtt tcaagtcctt cttgttacaa ctatctcag agttattatt ataaccatca 180
tcatcatcag tactctgttt catctcccag atctggaaaa tttcatgatt ttagattcga 240
caatagctat tacggttatg gacagcctca tttcttggac tcttgcttcc tctgcaagaa 300
acgtcttggg gataacagag acatcttcat gtacaagagg agacacaccg ttctgtagtg 360
aagagtgtag agaagaacaa gatagaaaga gacgaagcaa aagagaagaa acagagtctg 420
tctacatctg tgaa 434

<210> 13690

<211> 524

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-C8

<400> 13690

```

tgtcctgccc gggtnctacc ggaaccgana atcccngnngn ngccccacgc gtncgcgaaa   60
aaacaagaga atcgagtaat gcaacaacaa ggtgaaccat cggttttgag tttgagaccc   120
ggcgggtggcg gcggcaaaaag caggcttttc gtccctcgct ttagctcctc ttctcttttt   180
gatcttacca atggcgggctc cgaagaaacc ccttttcccg tcaagagaga aaattctggt   240
gaacgtgtga ggttttcccg agaagagata cttcaacaca aaaaatctgt tcaagtctcc   300
gatgaaattc ctagacgctg taagggaatc ncagttgagc tttttgggga aaaacaaaat   360
ttgggggggaa tcatgcaagc cgagaagtaa aattaccaa tcnataactca agcatccgctc   420
ataaccgaag actgaataac cctttactng ghaaaaatnc nttcccana antccaaacc   480
cctnggggaa aaaaaagggy tttaaaggga naaccccccc ttaa                               524

```

<210> 13691
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-D2

<400> 13691

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ggtcaatgaa gacgcagaga caggagacat gggcttgctc tgtcactgag tcttttctcc   120
tcctcgtcgg aaagaatctg gcttgtcttc tccttggtggc agaatcatta ctgatagggt   180
tggttgctgt tgaccagagg ttgtctgtca aggaggggta caaaagagga agccgtattg   240
aggaaaacaa agatgctaata gacaatgacg atgacgacga tgatgaaaga cgctgatgag   300
gacgacgatg atgangatga tgctaataat gaagatttct caaggggtna aagggaataa   360
aggagaaaaa gaagctgatt caaangatga ttctgtgaac aatggtggaa gaagaaacna   420
tgatgaagat gacgatgatg ang                               443

```

<210> 13692
 <211> 507
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-D6

<400> 13692

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cgtccggaaa cagagagcat tatcaattat taacaattac acaagacagc gagattgtaa 120
aagagtaaga gagagagaat ggcaggagag gcagaggctt tggccacgac ggcaccgtta 180
gctccggtca ccagtcagcg aaaagtacgg aacgatttgg aggaaacatt accaaaacca 240
tacatggcaa gagcattagc agctccagat acagagcatc cgaatggaac agaaggtcac 300
gatagcaaag gaatgagtgt tatgcaacaa catgttgctt tcttcgacca aaacgacgat 360
ggaatcgtct atccttggga gacttataag ggatttcgtg accttggttt caaccaatt 420
tcctctatct tttggacctt actcataaac ttagcggtta gctacgttac acttccgagt 480
tggttgccat caccattatt gccggtt 507

```

<210> 13693

<211> 523

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-020-Q1-E1-D7

<400> 13693

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ccccacgcgn ccggaaaact ttgtagttga ccggatcatt ctcaattcgc cggccgacgt 120
tcttccttcc gccgtcggta tctatatatta cgatccacga tctctcttgc tgtttctgtc 180
ttcatcgtga cgaaaatggc tgctcgtatc gggatcttct ccgtcttcgt agctgtattg 240
ttatctatct ctgcattttc ctcaagctcag gatctccaga tcgtaaatgc cgagcgaagg 300
attgatttaa gctcacatat cgtgaaggcc ttcttgactc tcaagggtga aatattggga 360
aagattcctg ctgcannaat ngcttcttgc tttccacct acccaagatt aaagaatttg 420
ggctatggta caagccccctn gcaactactg ggcaaagaaa gaagaagaaa aacttaattt 480
gccaattnan attgtanaaa ccaacttgan caacctgatg cac 523

```

<210> 13694
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-D8

 <400> 13694

ggaataaagn tatattacgg ccgagtggtta ccatacctta ntcggcccgg cccccacgc 60
 gancgcaaan gaccactgca caggcatgca ccgtcttcct ctctctcgct ctctttgtcg 120
 caatctctgg aatttgtgtg atttttcgga attgcttttt taagtgtcac tcgtgggttg 180
 gttcatctct tagttcgagg agtggttctat ttttggggct ttattgattc catcttctcc 240
 cttgccgttt atgggataaa atcaacatca atgagggctt tcatgtgaga ttttgtgtgt 300
 gaattttaat tcanatggnt gatatgcgta gacganatgg aantgnaggt tcctctaadc 360
 atgaaaggaa tgangcaaga tantgtttcn aaatccagag anctttggac tttgatttgn 420
 cctgcgatac tctttncnt catggnattt ggtgacaant gcnctnattc ttctggtagt 480
 tatgtttaag tccattgctg gatttngatt 510

<210> 13695
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-020-Q1-E1-D9

 <400> 13695

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 aagttagaag acgacagtca cagcatggat ggcttcacag actggatcct aatgaaccgg 120
 taatgctatt cacaaaaccg ctgggtcccg ataaactggc agctgcaggg attgttcctc 180
 caacaccgga ttcataacca ggtcaacctc caagtcggtt tcaggggagg attgggcgtg 240
 gtggccgaat tattttcgat agatggaatc cgttgatgca atctcacatt aattgtggaa 300
 actcttatta cattgtcca aatcaccggc ctaccaactt cgattgagat attttcacaa 360
 tcttgctttg taaagaattt tccatcanca atgggtgtatg caataacgat tctcanctaa 420

ataat

425

<210> 13696
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E1

<400> 13696

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cttcttactc cggttggttc ttcgtcggtta ctttggcagt tctgtcacia tttctcttag 120
ccccagcttc agccttggtc aacagggaat acatcgattc caattgccaa agagtcaaaa 180
acaaagcctt ctgcatccaa actttgacca cctatcctcc tgccgctgct gccaccggcc 240
tgttaccatt ggctgaggcc gtggttggtt tgcaatatcc cactgcgaga agacagctgg 300
tttcgcagca gagacagcca aaaaaggacg caacattgaa gaactcaagt ttaaacaag 360
tgncaacgaa gcctaattgtt ggggtatTTTT ggcgtctcta aaagaagcgc ctccaactgg 420
gaaactcaaa ggactcaacc aagacaang 449

<210> 13697
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E11

<400> 13697

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atcttacttt cctggatctc atagttaatc tggtttgagt ctagaaatgt cgagtgatgc 120
agctcgtagc ccattgttac cactgagaa gatagatacc atggctcaag atttcaacct 180
gaactcaaga actttctctt caagaaaacg aagattgcgt cgctctagaa gtgctcctcg 240
tggtgattgt atgtacaatg atgatgtcaa aatcgacgaa ccacctctc atccgagtaa 300
aatcccaatg ttcagtgatc taaacccgaa tctcaggcga gtgatcatgt tcttggcttt 360
atatcttacc attggtacgc tctgtttcna ctcgtagag accagatttc cggtcataaa 420

accagtgggtg tggtanat

438

<210> 13698
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-E12

<400> 13698

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aaaaaattag gtatttaata attcatcatt gccattggat tgtgtgtggc tgcgtcagta 120
aaacgtattc ttaaaagcaa ccattgggtgt gattgactct ataagagaat tcgtcagcgt 180
gaagcaatct ccaatctaata cgcagcatat cttctccgat tcctattcgt ctctgcaatt 240
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catgcgccgt tcgttgtgat cgtcgcacgt taaatttgaa ttctcgatcg tcatgtgttg 360
ttccagtgc gaatcgacgg natatgtgtt gcgattggga anatttnatg ttcattggagg 420
at 422

<210> 13699
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-C1

<400> 13699

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gtccggaaaa aataaaaaaa ataatgggtc atcgaacaag aatgacctt gtcctaacct 120
tagttgtaat gtccatatgg gggtcggacg catcagcaat gcaaaagacg aaattcgacg 180
ccccactttt gactgaaaaa atcgcgacaa atagatcgat aattgtagat atcgaaggca 240
aaggagacta cacttcggtt cagaaagcca tcgatgctgt cctgttggt aactctaatt 300
ggattattgt ccatgtccgt aaaggaatct acaaggagag agtgcacatt ccggagaaca 360
agccgttcat attcatgang ggtaatggaa aaggaaaaac ggtgatngaa tcctcncaaa 420

attcgggtcca caatgttgcc tcaactaatt tcaaagtcca aggtaatcac ttgtcccctt 480
 tgggaancan catccgaaat gatgc 505

<210> 13700
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-019-Q1-E1-A10
 <400> 13700

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 tgcattctcag aggagattca cgcaaacgca atgaccatcg gaaaatacag cattataaac 180
 cctcacgagg atcatcctct tccttcttcc cataaagtca cgcgcagggt cacatcgcca 240
 caagggacgg cttatcacga atcggacgga gtagaatcgg gacaattctc gtttgtagct 300
 gtggaaacag gggattacat aagttgcttc tccgccgtcg atcaciaacc agagacgacg 360
 ctgatcattg actttgattg gaggacgggt attcatacca aggattgggc gaatgtggca 420
 aaga 424

<210> 13701
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-019-Q1-E1-A11
 <400> 13701

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 ttccagctac tccagaagat tcttcgactt aatctgatgt gagnggaag agcaatagag 180
 gaagagaaga atcagaaaaa atggatccgg cgactaattc accgattatg ccgattgatt 240
 taccgattat gcacganagt gatcggtacg acttcggtta agatattggc tctggttaatt 300
 tcggcggttg tcgtctcatg accgatagag tcaccaagga gcttggtgct gttaaataca 360
 tcnagagang agaaaagatt gatgaaaatg ttcatangga gattatcaat cataggatca 420

tttgagacat cctaattattg ttaggtttta agangtgatt ttggcgcccn tccnatttgg 480
ctagtgg 487

<210> 13702
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-A12

<400> 13702

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gcgccgaaga aaaaatcgga gactgtcacg gcgccgacac cggcagcgaa gaagaattcg 120
agcgtggagg aggaaacaga agaggaagta gaggaagata tgccgtggat tcaagagaag 180
gcgttagacc tagtcgagtt cactggatcg gtgagtcagg cgattcctgg tcttcgagtt 240
ggaagtagca aattgccgtg gatgctcgcc gttccgtagg cttacgccgg cgtcactttc 300
gtcactgctt tcgtcaaaac cgttcagaag ttcccttctc ctaaagctca gcgcaagaaa 360
ctggtgaatc agaatgctat gctttgcaga tctatagatg agctattaag gaaagctgga 420
acagtgcata 430

<210> 13703
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A2

<400> 13703

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gtccgcangt tgaaggagggt tggaaaatta atggacaaaa gcgttggtt ggaaacagca 120
cctttgcaga tctgttgatc atctttgcga ggaatacaac aactaaccaa atcaacgggt 180
aagtcagatt attggctttc ttagatctct cagattttgt atcttaggtg tagaggctgt 240
tcccagaaaa ctgaaggtaa tgagggtggct cttgatttca tcttatggta gtgctgtaaa 300
aatccatttt cataaagaat gctaaatagg ttgctacgca attgaatgtt ctgaacaata 360

aatttggttaa ggaccgttat caagtgcata ctggactaat gtctggctcc tcattcatct 420
tatatagact atatttcctg cattagaaac ttatcagcaa ccctctttca gattcatagt 480
caagaaagat gcgcctggcc taaag 505

<210> 13704
<211> 428
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A5
<400> 13704

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tcaaatccga atggaccact agaccatgaa ttattcctct tatgtgctcg tgatactgtc 120
aaacttctga gaaaccatcc aagcctggct ctttgggtgg gtggaaatga acaagttccg 180
ccaaaagaca taaatgaggc tctaaagcaa gaccttaggc ttcattctta ttttgaaacc 240
caattgttat cagacaaaga ttcagatcct agtgtttate ttgacggtac tagagtttat 300
attcaaggat ctatgtggga cggctttgca gatggaaagg ggaacttcac tgacggncct 360
tatgagattc atacctgaag atttttttta agacacatat tacaagtatg gggttcaatc 420
cggaggcc 428

<210> 13705
<211> 429
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-019-Q1-E1-B10
<400> 13705

aaaatccaga ttttgtgttt agccgacgag aattgggaaa aatgtcgtgt acgcatgac 60
acaactgcga agatcatgag tgttcttccg attggtctct ctacaaacac attgatctct 120
ccaaggtttc agctctgaat gaatctgttt cgggaagtgc aaaatcagtc ttcaaagcgt 180
gggaacagcg attacactct tctggggagc atttggagag caatgagggg gaccctgaat 240
tgcttgtttt tgtaccattt acatcagacg tcaagatcaa gagcatatca attgttggtg 300
gccctgaagg aacaagtcc tctaagttga gagtgtttat caatcgtgaa gggattgact 360

tctccgatgc tgagagtatg caagccgttc aggaatggga gttagctgaa aatttgcaag 420
gagtcttag 429

<210> 13706
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-B4

<400> 13706

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gcgtccgaag aaaatatcac agcaaaaatt ttctcgagaa aatccgaaga agacaaaaaa 120
aatggcggat cagctaaccg atgaccagat ctccgagttc aaggaagctt ttagcctatt 180
cgacaaagac ggagatgggt gtatcaccac aaaggagctt gggactgtga tgagatcact 240
tgggcagaac ccgacagaag ccgagctcca ggacatgac aacgaagtgg atgcagacgg 300
gaacgggaca atagatttcc cagagttcct gaacctaatg gcacgtaaga tgaaagacac 360
tgattcagag gaagagctta aggaagcctt caggggtttt gacaaggacc agaacggttt 420
catctcggcg gctgagcttc gtcacgtgat gacaaatccn tgggggaaaa gttgacggat 480
gaagaaatcg atgagatgat tcgagaagnt g 511

<210> 13707
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-B8

<400> 13707

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ggaactctcg gcgttctact ccgtctccgg cgttacctcc gtcgatttca tcttctcagt 120
tggaaggagt gaattgagaa ggtcgggcca atatggcgaa cttacaagtt tctgggatac 180
tcgaaaagtt tcagatgacg ggtaaagata aagattacag atacatggca acctctgatt 240
tgcttaatga gttgaataag gattccttta aaatcgacct ggacttggag gtgagattgt 300

cgagtatcat attgcaacag ctgatgatg tggctggtga tgtttctgga ttggctgtta 360
aatgtcttgc tccattggtg aagaagggtg gagaagaacg aattgttgaa atgaccaaca 420
agttatg 427

<210> 13708
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-B9

<400> 13708

aacacaaaaa aaaataaaac ctttctatctt ctcttctctc tttgagcttt gacctctcct 60
ccatctcccc caccctttta tgcaacaatg ggaaattggt gctctcacgg acgggactca 120
gccgataacg gagacgcatt ggaaaacgga gcttccgctt caaatgctgc caattcgact 180
ggtccaaccg cggaagcttc tgtaccacaa tcaaaacatg cacctccttc tctcctcct 240
gcaaccaaac aaggccctat aggcctgtc ttaggtcgac ccatggaaga tgtaaaagct 300
tcatattctt tagggaaaga gctcgggcca ngccaatttg gtgtcacaca cctctgcaca 360
caagaaggca acaaggctcat caatttgctt gcaagacgat tgcaaaa 407

<210> 13709
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-C1

<400> 13709

nnnnnnnnngn aacngttttc ctgcccacac ggtccgaaaa tcccgggggtc gaccaacgcg 60
tccgaaaaac atggccgaag tcaagtatcc tctggaccat tttaagacgt tcaatgaatt 120
cttcgtacgg ggagtttaaag cctggtgcaa gaccaattgc gtgcatggat caggatgatg 180
ttgtgtatc tgctgctgat tgtcgattaa tggcatttca atcggttgat gatagcacac 240
ggttctggat caagggccgt aagttttcaa tcaaaggcct ccttggaat gatgtgcagt 300
cggatgcttt ccttgatgga tctttggtga tattccgatt ggcgccacag gactatcatc 360

gttttcattc tctgtctctt ggtgtcattg aaaagtttgt caatgtttct ggaagcttat 420
 atacgggttaa tccgattgct gtcaatagca agtactgtat gtgttcactg agaataaacg 480
 gaccatccgt aattatatca a 501

<210> 13710
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-019-Q1-E1-C11
 <400> 13710

tactctcaag tctaaagaag aataaaaaaa atggatgaag aagttgagaa caaagtgata 60
 ctccatggat cattcgcgag tccttanagc aaaaggattg agttagccnn aaggcttaaa 120
 tctatacctt accaattcgt gcaagaagat ctccagaaca agagccaaac cctgctccgg 180
 tataaccggg ttcacaagaa gatcccggtt cttgtccaca acgaagacc ttatagaaga 240
 tctaaagtcc ggttttgggc taactacatc caattacatc tttacgattt ggtgataaaa 300
 gtggtgaaaa gcgaaggaga agagcaaaaa gaaaagctct cacangaagt aaangagaaa 360
 ntgagcgta tagagaaaga agggcttaag gagattttct ctgacactga tgggtgaanca 420
 actgtgacga acg 433

<210> 13711
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-019-Q1-E1-C12
 <400> 13711

aaaccattt tttatttgga tttttcattt gattttcccg ggaaagttgt aatttttatt 60
 tttttgaggg agattgaaaa agttcgataa aaatgtgggg agccgccgca gaaccagcag 120
 attcttatta cctgattcgt cctgagtgc ctgatgtccc caatacaaaa ttcaagatca 180
 aacctggtaa aactctaagt gtaagaaaat ggcaagctgc atttacaaca gaaggattcc 240
 ttgatattgg caagactcta agtcgaatcc aacgaggggg gatccatcca tcaattagag 300
 gagaagtctg ggaattctta cttggttggt atgatccaaa aagcacattt gaagaaagag 360

agcaaatccg acaacgtaga agattgcagt atgcttcttg gaaggaggaa tgtaaacaaa 420
tgtttccccg t 431

<210> 13712
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-C7

<400> 13712

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ggggagatca atagacgtca accgttacag aggttacgat gagctgaggc atgatctagc 120
gcgcatgttt gggatcgaag gacagctcga agatcctcaa acatctgact ggaaacttgt 180
ttatgtcgat catgaaaatg acatcctcct cgtcggcgat gatccatggg aagaattcgt 240
aaactgtgtt cagagcatta agatcctttc atcagctgag gttcagcaga tgagcttaga 300
cgggaacttt gccggtgtac cagttactaa tcaagcttgt agtggcgggtg acagtggcaa 360
tgcttgaga ngtcattatg atgataactc agccacttcg tttaaccggt gatggcagaa 420
gaattctctc 430

<210> 13713
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-C9

<400> 13713

ggcaattctt agtttctctt ctatccctt tctgggtttt gtttgaacc tagctcgctt 60
tggatccagt ggttttaagt taaaggtaaa tttatcgaaa gtaagtagat tcctaattggc 120
agcttccaat cattcatctg gtaaacctgg aggagtttta agtgatgctt tatgtaggga 180
gctctggcat gcctgtgctg gacctcttgt aaccctacct cgtgaagggg aacgagttta 240
ttatttcctt gaaggccaca tggagcagct cgaggcatca atgcaccaag gtttgagca 300
acagatgcct tctttcaacc tcccatctaa gatcctctgt aaagttatca acatccagcg 360

cagggcagag cccgagactg acgaagtata tgcgcaaata accttattgc cagaactg 418

<210> 13714
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-A1

<400> 13714

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gttttccaat aaagttaatt ctctaacaga acaagtttcg agattggata ttgacgacaa 120
cgatatggga cttggaggta gtgaaacaat ggaatgcaag tgtggtatgc ctctgtgtat 180
ctgtgtagct cctcccaaat caactgataa accaaacca cctgctacca ttgctcctgt 240
ggttcttcct cagttgaagt cagaggcttc agcaaaaagt aaaggttcca cttccagcag 300
caatgctaga tna gctctaa atgctggact agacaacccc caaagagact atgaaaccag 360
tngggaagga ttaagagaaa cc 382

<210> 13715
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-018-Q1-E1-E5

<400> 13715

tcagattcga ttctccgacc ttctcagtt caaaatgttc aacgtgaagg tcctacacgt 60
gaagttttga gctggctggt ttagcttttg tgctgtttgg ccataattga tgcagccttt 120
tttagaaaca tagtacaat atattatatt tgattcttga ttgttttggc ttactttggt 180
ggatgttgtg tgatcatcgt tcaaggcttc tttcttctat tatgcgcctt gattcatctc 240
acaaaacgcg gaaccagcag ctgtttgaga gaggttaatt atgtcagata gatgggctcg 300
acaaaacgcg gaacgtcctg caactacttt ggctgagaga agaaatgtga ataaaaacgt 360
ttcacttcag actgggtgaa gagttttcaa tggagtttct taaaggatca tactcctgtc 420
caatccccta tcgttg 436

<210> 13716
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-E7

 <400> 13716

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 gcgtccggan agaagccatt ttccgttcca tcaagtctct tagccagagt gatggaagat 120
 ggcgctacag ctccaacaat cccgaatcaa gcacttttgc tgctggctta gcctatgaaa 180
 cgcttgctgg gagtgatttc attnagcacc ttcaagagtt tggttcatcc ttgattcaat 240
 ccggtgaaag acnggggtatc cctggaagcn tttctgacag tatccannnn tatgatgatg 300
 gggacatttt attttgatga gaagtctgtt gatgcaagtc aaggcccgat ctcaacaact 360
 gcatcagtta tanagggcca cgtcatttgc agcttcagaa tccacaggat tgaaccttcc 420
 aggtgataag atanttggtc tggccaaatt cttctgggtg ttggaatccc tggatgatgcc 480
 aaggacttct tcaaccaatn gatgcactan g 511

 <210> 13717
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-018-Q1-E1-E8

 <400> 13717

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 attcgcttgc tccgacgata tctccaccaa tgtcgccgcc gctgagcgat tagtcagaga 120
 agctcacgct aaaggagcta atatcattct tattcaggaa ctttttgaag gatattactt 180
 ctgtcaagca caaagagaag acttctttaa gcgagccaag cttacaaga accatcctac 240
 cattgcaagg atgcagaagc tggcaaagga attgggtgta gtgatacctg ttagtttctt 300
 tgaggaggca aatactgcac attacaattc gattgctata attgatgctg atggaactga 360
 cttgggaatt tataggaagt ctcatattcc tgatggacct gggttatcaag agaagtttta 420
 tttcaatcct gggaga 436

cattggtgg

489

<210> 13720
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-F7

<400> 13720

ttttcttctc tcaacgccgt tgattcgcca tcgtcgtac cgattgtctt gaggtttacg 60
acttttggac taatctctc tgtggagagc aatgactaaa actcgtggga ctgatatgac 120
aaagaaaaag ggtaaacaatg tttctgaaat ggatttcaag actcatcagc atactgaatt 180
tttcgataag ttgatagagc tcacgcctgc tagattctac ttacctgatg agacagaaaag 240
gaaatggtat ccagggtctta gcaaggctca aaaagctaga gccaagaaaa aaacaaatga 300
caacctaaag aaggcgaaga gagataagtt ggaccagag aagtctgctt tgacgactct 360
cgatttactg aaggagaaga tagagaagga aagattggct tcacagaagc agaagcntaa 420
gaagaaacac gccgg 435

<210> 13721
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-F9

<400> 13721

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ggtgattggg tcaggagaag ccacgatcgt gttaggtcac ggggttcggca cggaccagtc 120
agtatggaaa cacttggttc cacatctggt cgacgattac cgcgtcgtcc tctacgacaa 180
catgggagcc ggtacgacca accctgacta tttcgacttc gatcgttact caaatctcga 240
aggctactct ttcgattgat tgcaatcttg gaagatctca agattgagtc ttgtatcttt 300
gttgccact ctgtttctgc catgattggg gtcttggtt ctcttaaccg tctgatctc 360
ttctccaaaa tcgtcatgat ctccgttct cccgagatac gttaacgatg ttgantanca 420

angtgggatt ccaaca

436

<210> 13722
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G1

<400> 13722

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cgcgtccgct ctcttgcaac ggcgaaatccg ccgtcgcaat ctgcgatact tataactgga 120
atctctcgctg acgatctaaa gtaccggaga aacgtcatcc tcctaagctt cgggttttca 180
actacgacga actcgccgtc gctactaacg gcttctccgc caataacttc ctcggaaaag 240
gaagtcacgg cagagtttac aaagcagttc tcgacgacgg aaagcttctc gccgccgtca 300
agagaacaac aatcaccact accgttggtgta ataacaataa caacgtgagt caggtagaca 360
atgagatcga gattctttca cgggggttcgt caccgttgga tgggtcaactt aatcgggttac 420
tgcgttgacc accggaggga aaaacaaaag ctgttagtcc gtcgaagtac atgcctaacg 480
gtacgcctca cgatnagtta cattctcggtt agttcggtt 518

<210> 13723
<211> 109
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G2

<400> 13723

ctttaccagc tctgaccgat ncaactatccg gttatatgat gtcgcctcac gntggcgatc 60
cnatgatcct aatctcatcc angagcccat tatcgacagg ttgantgac 109

<210> 13724
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-G7

<400> 13724

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ttcttctcca atttctcatc gaattcctca tttctctctt gattttaaca atcccacttc 120

aaatttccct ccgaaatcca aaacccatct cccaaaatct aatctctcca ctttatcgaa 180

ccatagcctc tacggcacca agaacagagc tttctataaa aacaagagaa acccttataa 240

cagaacacaa gctctcggtc gattcgattt cggaagtctc gaatcagttc tcgaagcttc 300

cgctgttctc actgcatca tcgtcgtaca cgagaccggt cacttttttag ctgcttctct 360

tcaagggtatc cgtgtgagta aattcgcat aagggttggtc cgattcnact aaa 413

<210> 13725

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-018-Q1-E1-G9

<400> 13725

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ctctcagaa gattgaaact ggtcatagcg acactattca tgatgtggtc atggattact 120

atggaaagcg agtagcaact gcctcgtctg actgcacgat caagataacc ggagtaagca 180

acagcgggtg atctcagcat ctagctacct taaccggtca tcgaggtcct gtctggcaag 240

tcgcttgggc gcacccaaag tttgggtcac ttctcgcttc atgttcctat gatgggcaaa 300

ttatattatg gaaagaaggt aacccaaaacc aatggacaca agctcatgtc ttcacagacc 360

acaaagtatc tgtcaactct atcgcttggg ctctcatga acttngactc tcccttaact 420

tgcgggagc 428

<210> 13726

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-018-Q1-E1-H11

<400> 13726

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 agcacgtaga tggcagaaaa ggcctgtata aaacgtcttc aaaaggaata tagagcactt 120
 tgcaaggaac cagtctccca tgttggtgct cgtccttccc caaatgacat tctcgagtgg 180
 cattatgtgc tggaaggcag tgagggaaca ccttttgcag gtggatttta ctatggaaag 240
 atcaagtttc ctcccgagta tccttacaag ccancaaggg attacaatga ctacaacaaa 300
 atgggtccga ttccatgaca caagaagaaa aatttggtta accnaatgaa ttggattttc 360
 catccaaaaa aagcctggga atncnnatgt tgggcccggta tccaaagcaa tactttanaa 420
 gggncctttcc cccaaattta aggaangggg aaccaattcc cgg 463

<210> 13727
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-H12
 <400> 13727

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 ttgctacacg gaagataatg tctttgattt tcgcacagat gatggccaag atgttgaagg 120
 cttgccaact gaaggggttg agattacgtg tttccatctg gatggatcac actatatggt 180
 ctacacacct tcagatccac ttctctttgt tgctgctaag gatcaaaatg ggctgctgca 240
 aatcgctgat gatgaactct tagacgatcc agctgtgatc agcgccatag acgaggaaac 300
 cgaattcaat gccttggtgg aggaagaggc ggctctcctg gaatcactgc ttgggggaaag 360
 aatttgatgt tttcataggg actacntagc tttctttttg tantccataa ntgcaatgcc 420
 atgtaatcct aaattttctc ctagnaaaac tcatttttgc cttttccaaa tctcccentg 480
 ttgacaaaatt gggttc 496

<210> 13728
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-H8

<400> 13728

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gttatcttct ctagtgatag attcgtatg tgtaacttgg aaattggaat agtcaaactc 120

ctgtgacata taatgctgat aagagtgttc aatgaatcaa gtatttatca ggttttagat 180

gatagagtgc gaatctaact catgtagtga cttgggttata tgatgggttag aaattaacaa 240

tgaagtttcc tgtgtattga tagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

aaaaaaaaaa aannaaaaaaaa nagnaaaaag gaannannga ngnnnaanaa nnaaat 356

<210> 13729

<211> 511

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-018-Q1-E1-E2

<400> 13729

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gcgtccggca atgttagctg ctgggttgca gaacatcggc ggtggagatc ctttaagaca 120

gcagtttgta cagctgcaag agcctcacca ccaatatctt caacaatcag cttcccataa 180

ttctgatttg atgcttcagc agcaacagca gcaacaagcg tcacgccatc tcatgcatgc 240

tcaaacacag attatgagtg agaatcttcc gcagcagaat atgcgacaag aagttagtaa 300

ccaaccagct ggacagcagc aacagctaca gcaaccggac caaatgcat atcttaatgc 360

tttcaaaatg caaatgggc atcttcaaca gtggcagcag caatcagaga tgccatctcc 420

ctcgttcatg aagtcagatt ttactgactc aagcaacaaa tttgcaacaa ctgctantcc 480

cggttctctg agatnggaat cctttgaatt t 511

<210> 13730

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-018-Q1-E1-B11

<400> 13730

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 atcgatatcc gcatcgaaaa acatcgatgt ggagatgaat gggagatgtg aattgctttc 180
 caaggctatg tctgcattga ctggaagcaa aagcagccaa tcatcgaggt taaaaatgac 240
 catgttgtca atgggaaaga ctttggttga gcagaagagg caaggttcaa ggatgatgtc 300
 attgaagcaa aagaaagagt tggttgtggc tatggtgaaa tggactcgaa tggttataac 360
 attccgtaaa gagtgtcgcc gagaagagag gaaagtcgat tgatgaatcg tcttacggtc 420
 ttgatgttga tgttaatgcc agcattggaa gttcaatgga atgatggctc ctntcatcc 480
 gataatgaga agttctcaaa aca 503

<210> 13731
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-B12
 <400> 13731

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 tatggtgtta gtggataccc aaccattcag tggtttecta aaggatctct tgaacctcaa 180
 aagtatgagg gtccacgcaa tgctgaagct ttggctgaat acgtgaacaa ggaaggaggc 240
 accaacgtaa aattagctgc agttccacaa aacgtggttg ttttgacacc tgacnatttc 300
 gatgagattg ttctggatca aaacaaagat gtcctagtcg aattttatgc accatgggtg 360
 ggccactgca aatcactcgc tcccacatac gaaaaggtag ccacagtgtt taaacatgaa 420
 gaaggtgtng tcatcgccaa tttggatgct gatgcacaca aagcccttgg gcgagaaata 480
 tggactnaag tggntcccn acaatnaaat tcctcc 516

<210> 13732
 <211> 319
 <212> DNA
 <213> Arabidopsis thaliana

<400> 13734
gagacaaaaa tccttcgcaa tcgagcaacg gaagctcctg catccaccgt ccaaattctct 60
tctaacgtcg ccggagatcg gtaaaccggg tcttcacccc gtattcatct cttattgaga 120
tcgttgggga agtagagaat ggcgacgttt gagctgtaca ggagatcgac gatcgggatg 180
tgtctgacgg agactttgga cgagatgggt cagagcggta cgctgagccc tgagctagct 240
atccaagtcc ttgttcaatt tgacaagtcc atgactgaag ctctggagag ccaagtgaag 300
accaaggtgt ccatcaaggg acacctgcac acttacaggt tctgtgacaa tgtctgggac 360
cttcatatta caggacgcaa tgttcaagag tgacgatcgt caagagaatg tgagccgggt 420
gaagataatg gcatng 436

<210> 13735
<211> 511
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C2

<400> 13735
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cgtccgggttt aaaacaaacg ttaaaccata ttcccagaga aagggcacgc tagaccccg 120
cctcgaagct gctgaagcag cgcgacaaat tatcacctg aatcaaaaag gtggcgctaa 180
tttcaagaca ttaaacgaag ctatcaagag cattccgaca ggaaacaaga accgtgtgat 240
catcaagttg gtccttggtg tatacaatga gaaggtcaca atcgacatag ctcgaccatt 300
cattacattg cttggtcaac ctggtgcgga aacggtcttg acttaccacg ggacagccgc 360
tcagtacgga accggtgaga gtgcaactct tatcgtctgg gctgaatatt tccaggcagc 420
tcacctcacc attaaaaaca ctgctccaat gccgaaacca aggttcacag ggacaagctc 480
taacaatgan gatnaacgt gataaaggca g 511

<210> 13736
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-C3

<400> 13736

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ccgcgnaacg cntgggcgga cgcgtgggct tgcttctgt tattggtggg gatgctgctg  120
ttgagaaaact tttagacgta ccactacaag gccacactga ggaatgccct gatcagttcc  180
agttcgtgtc tgctgttggt gacaaacttg gatatgaagt taaaatgggt aaacttacag  240
gtagaattgt aaacacttat tatgcaagtc tatgtcttgg caagcctggg gacattgagg  300
ctatatgcat tgattcacgg ccatcagatg ccatcaatgt tgcaagagca tgccaggctc  360
caatatatgt gaacaaagca atagtgtctg aagaggctat caaaattggg tatggaggga  420
gaccgcagag cgcaaagcct gttttcaatg ttatccttga caacgctccc gatggaccaa  480
attctttatc cngaagagcn taaattag                                     508

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<210> 13737
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-C4

<400> 13737

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gcgtccgcaa ggctacttga aaaagagcac cgggcttttg ccttggtggc tagaggggtgc  120
atgtcttcac ctattgaaag ctgtatagct gatgccatta gagcttccag tactgataat  180
taccagtag aaagcatctt aaacacactc gagaagagag atcggattgg tcgaaccctt  240
tcttattggg cgagtactgg gcaacacaaa actacggtgc ccgaatcact tctttacaag  300
ttgattgggt atttgtgtct cattactgaa gtcagcatcc atcctttcca agcttatttt  360
cagcgcgggt atccgatata ctcttcacat tatgttcgtt tccggttggg tcacgaaaag  420
gacaattcac ctactacaa caattcacag gataaaaaag gtgagccaag aaagagttca  480
attgaaagca actatgtatg ggacttacac                                     510

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<210> 13738

<211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-C5

 <400> 13738

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 gaagtcagga agttctacat tgaatcctta cgcagcagct tatgtaccac tctcgaaaag 180
 agaaggttct ttgggttgata caaagcctgt cacacaacaa cacatgcagc agcagcacca 240
 ccagcaacaa ccttattatg ggtatggagt tcaaggaatg ggaagttatc aaggaactca 300
 aatgtcacct aagaagtcac catctgagat ggtatacaat catcagctga aggatgagga 360
 ttgggagatg gacatggata ttgagtatct attagctaca taccctgggt cttcacaaga 420
 gtctatcaat gng 433

<210> 13739
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-D11

 <400> 13739

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 tataattgtg taatccttag ggttttgctc gcgatttctg gtactattag gtttccgtcg 120
 atttcttcgt cgggataaaa accctcttct tcgcgggagg gagaacacgg cgagaattac 180
 acagctatcc ttgaattcc gtcgctgggt agcttaggac tttctgattc tgctgcttta 240
 atctttctct ctccatgaca caacgggtat tccaagtctg gaaaggaagc aataaattca 300
 tcctgggtgg gagattgata ttgggaccag atgctangtc actgcctctt accttgctat 360
 tgatcatagt tccggttggt ttgttctgtg tanttgtanc aaggnacctt cgcaatgaat 420
 tctctcccta caatgcggga 440

<210> 13740

<211> 509
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-D6

 <400> 13740

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 cacgcgtccg gttgaagaat cagatgaagc aagaaagaag ttcacaaacg caaagtccat 120
 atcttcagct cagtactttg gggatcagaa caaaaacgct gatctggaat caaaagctac 180
 gcttgagata gatgctgagc ctgcaaactt ctgaagcgct gattttttacg gtcacgacca 240
 agatgattcc aatattgata taacagctag tgatctcatt aaccgacttt ctttccaggc 300
 gcaacaagat ctatcgctgc tggatgaacat agcaggagaa acaaagaaga agcttggaac 360
 tttggcttct ggtatcttca gtgatattca agacagaatg ctgtaagaag accacgagtc 420
 tctcacatgt ttttgatatt gacagagaaa aaaaagtaag aaagaagctt tgtcggaaaa 480
 cttccaatga nggtcaagtt tctctgttt 509

<210> 13741
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-018-Q1-E1-E10

 <400> 13741

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 tccgcccacg cgtcgggttc ttttctctcc atctgtctgc cgctccttta acgtcggttc 120
 ccattttctt attcacaatg accccaagaa actcgaggag atggaaaaaa gcaaaaggta 180
 nnacaangnc aaaaagctt tcttcgagaa ccagagcaca ttgattccaa gattgaatgc 240
 tgtttctggg ggattagttt ctctgagttt tggatgata tcagattaac aggcagaatt 300
 ttgagaatgt cgacagtggg aaattcaacg aacatatttt ggcaagaatc cccattggg 360
 aaaactgaaa ggcagaagtt gttaaatcag aagggttgtg tgggtgtggat nacagggtc 420
 agtggctcag ggaaaagcac gttanccttg ctgcttant agagagctga caaccggggg 480

aagcttcata nattcttgag ggngc

505

<210> 13742
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-E12

<400> 13742

gnnnnnngaan gttttcggcc ncccgggccg aaaaccgggt cgaccacgc gtccgcccac 60
gcgtccgccc acgcgtccgc ggacgcgtgg gtgagtttga aaataaagtt tctgcttctg 120
cttgtcttgt atcatcatgt tgattctgcc tctatcgta agtttcttcc tggttttgaa 180
ggcctcttc ctttgaact tgaaaccggg tacattggta ttggtgagga cgagaatgtg 240
caatcttct actatttcat caaatctgaa aacaatccaa aagaagatcc tcttcttata 300
tggttaaagtg gaggacctgg atgttcttgt cttggtggta ttatcttga gaacggaccg 360
gtgggtttga agtttgaggt gttcaacgga agtgctcctt cttgttctc tactacatat 420
tcatggacaa agatggcaaa cattatatcc tggattaacc aantaggatn tggcttcccc 480
aatcaaaaaa atccaat 497

<210> 13743
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-B10

<400> 13743

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atatcacagc aaaaattttc tcgagaaaat ccgaagaaga caaaaaaat ggcggatcag 120
ctaaccgatg accagatctc cgagttcaag gaagctttta gcctattcga caaagacgga 180
gatggttgta tcnccacaaa ggagcttggg actgtgatga gatcacttg gcngaaccg 240
acagaagccg agctccagga catgatcaac gaagtggatg cagacgggaa cgggacaata 300
gatttccng angttcctga acctaatggc acgttnagat gaaagacact gattcagagg 360

aagagcttaa ggaagccttc anggtttttg accagggacc agaaacggtt tcatctcggg 420
 cggcttgaac cntcgtcccc gtnaatgncc aatccntggg gggannaagt ttnaccngg 479

<210> 13744
 <211> 456
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A1
 <400> 13744

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 gctttctctt atcgtcagac tcagcatcgc agtgatgctc agcagcgagc ccgaaacctc 120
 gcctcttcct taatctcgct ccaatcctcc tctcccgatg tcgaccaga gatactatct 180
 gaagccgtgc ctgagcttgt aggaaccgaa tcggaatcga gtagctttga cgttcgtcaa 240
 gcttcgaggc tcagaggacc tgaggcacgc aagtggttcg caaagcagct aatgttacct 300
 gaatggatga tcgacgtccc tgataattta agccaagatt ggtatgtgtt agcaaganca 360
 gctgggaaaa gatgttttgt agnttcaatc tgatnggaac aactggttag tagagttacg 420
 aaatgggtcc actttgcnac cttttccctt ccgnga 456

<210> 13745
 <211> 521
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A10
 <400> 13745

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 aatgccctta ccccttgaag agtttcaagg gaaggggatt tcttgtttct cttctttctc 180
 gtcttccttc cccaaccan cgtcgtctcc gcttttgagc caccgcaaag caagaggcgg 240
 cgaagaagaa gaggaagaag ttcccgcggc ggagcctacc tctgttctgg actccctcat 300
 aagcccaacc tcttcctcca cgggtgtctt ctctcacggc ggaaacagcg ccgtcngagg 360

cggcggcgac gccaccaccg atgagcaatg cggagccatt gggttgggtg attgggagga 420
 gcaagttcct catgaccacg aacagagcat tctcggactc atcatgggag attccacaga 480
 ttctctcttt ganctcaaca agcattctcc aaacatctcc c 521

<210> 13746
 <211> 65
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A12
 <400> 13746

tccgcttacc cggngttgcc cntccggtga cattccaaag ggtatttcgg taactaattc 60
 ngctc 65

<210> 13747
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A2
 <400> 13747

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 ttgcttaagt ataccaccta actcgagacg ctatgaccgt tttctcagtt cagtccacta 180
 tcttcagtcg agcctccgta gctctttctct cgagcaatgg cttcaaacga ttttcattcg 240
 tttcttcggtt ttcttctctcc gccgcttact ctccaccta aatgaggaag cgtcgctaac 300
 caatcgctctc tgctgttgat attgggtggcg tccaatcgc taaaaatgat gtggtgagaa 360
 aaggatgatt caacaaataa tgtncctaaan tcgatttccc cnaactaaga atgcagctac 420
 aca 423

<210> 13748
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

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<223>      unsure at all n locations
<223>      Clone ID: LIB25-017-Q1-E1-A4
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<223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A6

<400> 13750

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 cggaacaac gtcctctct tcaccatgaa gcccggaag attacaagt acaggatctg 180
 caatgttgga ttcaaataca ctcttaactt caggatccaa ggacacaaga tgaagcttgt 240
 tgagatggaa ggctcccacg ttctccaaga acgactacga ctctcttgat gtccacgttg 300
 gacaagtgtc tcgcccgttc taagtgaccg ctgaccaaag tggccaagaa actactacat 360
 nggttgcatc caactaaggt tctcaaagaa aggaanttga ancactgttt ggggtgtgatg 420
 angnctaacy aaagggaagc aacnttca 449

<210> 13751
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-A7

<400> 13751

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 ggttttcagt cggtgagtc gcagttccca gttcagactg agaagagtgt gagaactcct 180
 acaagctatt tggagacgcc taaactgctg aatccgcca tctcaaagcc aaaacctatg 240
 gaggatctta cggcatcggt gactaaccgc acagtgagtt tgcctttgag ctgtgttact 300
 acagattttg gggtgggagt aatctatgca tccaaaaacc aggaatcaaa aacaacgagg 360
 gagaaaccga tgctgggtgac tctaaactct tctttagaac atacatatca agaaagattt 420
 caagtctctc agagaaatac tcctctccgt aaaagttgcc tggcaagacc cgaagctggt 480
 aatgccataa gncaaaatta atctgcgggn g 511

<210> 13752
 <211> 543
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B1

<400> 13752

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 tcgccggaac aggtataaag tatctgtgga cgccgatgaa ggtcgccgga gacgggagga 180
 taacatgggtg gagatccgga agaacaagag agaggagaac ttgcagaaga agcggcgtga 240
 aggttttaat ccttccaatg gcgtcacaag ccaagggcaa aggattttct cctccgtctc 300
 tcccctaacy ggaaaccaag aattggngga aattattaca aacaagaatg aattgcctgg 360
 ggagttaaata gttcaanaan gggattagaa gacnnttach aaattttgga agggccnaaa 420
 cgggggctaaa cctttccang ggagaaattg gcctttcaaa ntttgaagcc ccaaaaatcc 480
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 ccc 543

<210> 13753
 <211> 54
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B10

<400> 13753

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<210> 13754
 <211> 464
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B2

<400> 13754

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cccgacgtg gaatcttggc gatggacgag tcaaacgcga cttgcgggaa acgtttggat 180
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 gcaccgggac tcggacagta cgtctccggg cgcaaattct atttgaggga agactctgta 300
 ccaagtctac caccgaaggc aagaaaatgg tcgacgtccc tcgtccgaac aaaaacaatg 360
 tcccctggta tcaaaaagtc cgacaaaggg tttggtggcc actttgttgg gattcaacaa 420
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<210> 13755
 <211> 520
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B5
 <400> 13755

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 tgatctgggt tttcaagtcc ggtgttgatc ccattgagtt tcggatctaa aagatccgaa 180
 tattcagacg gatcaacaag agaacaagaa aaaaaaatg aatcttgaga atgttttgga 240
 attcaccagc tttgattact ggtttaattg gagagtgtta ctatgtgcta tatgggtaat 300
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 tcaaccatca cttaatggta atgaagtttt tgtgcaatga tgatgntttg gagaccttgt 420
 ttttgaacga atccaatccg gggttgggtt ggntgggttt tccgggggtcc cccgggtttt 480
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<210> 13756
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B6
 <400> 13756

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caaactcgtc ttacgtcgag atcttccgat gtatcgggtca atctcaagaa gaagaataat 120
 ccgtggctcg acccgtttga tagcgggtgaa gacccggata acgaatacgg gtccttggtt 180
 gccgacggaa aacaagacga ggatccaaga ccaccggata atcctgataa cccttacggc 240
 ttcttgaagt ttccaaaggg ttacaccgtc gagcttgctt ctttaccgtt gaaaatcaga 300
 ggagatgtta gacgatgttg ctgcgttatc tccgggtggcg ttacgagaa tctactcntt 360
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<210> 13757
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B7
 <400> 13757

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 attaattagt gtaacgaaaa acacaaaaca aatatgtcgt acggatacga cgatgaatcc 180
 aagaggaaga ggaggtacat tggtatcacc atctcctctg ttcttttgat ctcgatgggtg 240
 gttgcgggtta ccgttggtgt cagcctcaat aagcatgacg gtgactccaa aaggtaaagc 300
 aaaaggtaaa tgcttccgtc aaggccgtca aaggatgttt gtgcaccaac tgattacaga 360
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<210> 13758
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B8
 <400> 13758

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ttgaaggatg ttgaacctta caccgttaaa gtagtgatag tctttgtgtc cgacctcgag 180
 aaagaatgtc ccaagacaaa taaattcaag gctttctttg agaaacttag ggcattcgcc 240
 aagtatgtct gcccaataaa aagaaaagac caagtagatt acgaccgaga catgaaggcc 300
 aaggctggag gcctcttcca agtcatatct tcttttgccg attgggaaaa nataanaaaa 360
 ggaaattcaa gaaggataaa atgggaaagt taataatacc nttaaagttt aatgagaatt 420
 ccttgcgact aaana 435

<210> 13759
 <211> 129
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 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-017-Q1-E1-B9
 <400> 13759

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 aagganatgt tccttcngta gtgttaaaga nagagcttat cctaccanat ccggattant 120
 cacatcatg 129

<210> 13760
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13760

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 gtctttacgg tgctacgcac actctctaca atgtcgatgg aggtcatcga gccattgtct 180
 ttaaccggct tgttggtatc aaagacaagg tctaccctga gggactcac cttatgattc 240
 catgggttoga aaggccaatc atctatgacg ttcgtgcaaa gccttatcta gttgagagca 300
 catctgggag ccgtgatctc cagatgggta agattgggct tcgggttctc acccgctcta 360
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tgctttctat catccacgag a

441

<210> 13761
<211> 715
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G7

<400> 13761

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cccactgtta acagggtttaa taccctcccg aaccctcgat taactataca agacgcaatg 180
ccacacatga ggagttggtg gccacaatgg gatatcagaa agcatttcaa tagcggcacg 240
tgttctaata tgaaagatgc aactcttctc tgtgaacgaa ttgggtcgccg tatagctgaa 300
tgcaagggaa agcctactca acaggaccag actttaatac ttcgacattg tcacacctcc 360
aatctcattt ggatagcacc aaacatcctc tcacccttgg agcctgaaca tttagagtgc 420
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attgtttgat tactgcttcc aaacagacac attggggttac atctcccgta ctcaagtcaa 540
gttccccaag gttaaaatct tacaccnta acnggattgg ggtgcgnaat tcattggncc 600
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<210> 13762
<211> 626
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G8

<400> 13762

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aaccctcata tcgccgtggt ttctcgctct agtaccgca gctcggacga accaggaagc 180

aatccggttaa tctagaagcg gtgttgagaa gatgacgatt acatcaaata tctctgtaca 240
 gaacgataac ctcggttggtc aagggaagac tatecttacc aaaatccctg acaacattat 300
 cctaactccg gttaccggta atggattccg tttccgggtc aattatange gccacgtttg 360
 aacaaagcaa gagtcctcat gtgttcccca accgtgtant gganggtcct ccgttcaagt 420
 gctgtttccn ggnttaaagc taagggtggg atgactcaag aagaatnggg aaanctgttg 480
 gnaaaagaca attccctttt ggnngaacac aagtttaaag gctaactggg aaaagcaaag 540
 ggattaangg ntttaaaggg gaaatggggg gaatnaatgc cncccaacg gggtttaaaa 600
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<210> 13763
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-G9
 <400> 13763

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 tcttctgtt atcttcaatg ctttgcaaac cgatccggat ataccaggat ttgaaaacac 180
 gttgggtgact tgcttggaga ggttggttaa gactaagtat ggcgcttcac ttattcctca 240
 gtatatgcct gttctgcaag ttggtctcaa ggcagattct gcagttgtga aatctctggg 300
 cttgcaaaac tgttctgtgt ctcttgaggg attgcgatac aaacgacgtt tcttctgttc 360
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 tgaanttgca aatgctgcaa g 441

<210> 13764
 <211> 771
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H1
 <400> 13764

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 gatcaccata ctatgggttca tcttacttag actacctctc tctcccaaac ccacatctct 180
 gtttctcttt catcgctgctc ttcttctgtg tgctcttcac atgggtacttg aacttcgagt 240
 ccatcatcga agacaccctg gaccacctca agctcgtctt tatattcacc cctctcttcc 300
 tctctctcct cgteccacttt ttctccgggtg gectctcctt ctacgtcccc tggcctgaac 360
 aagactccat tcaccgtgct gggttcttccc cttggggcgt agcagccgtg ctctgtgtca 420
 tattgttcat gggttctgtac cagtcagatt tccaggagan gtgggttccc tttggggcta 480
 agtanatnaa tcaaagttta tgatgaccaa gctttagtta ttctccaagc tatatatggg 540
 aacatccaat gggttaatat caaaagtanc ctggaagtta atcctgggta ataataagaa 600
 ttantttana aggttatttt ttctttaaac ttttaagncc tttccaaggt tnaaacttta 660
 aaatttaaaa nnaagggttt ttgggnaaat ggaaaaactt tttttttcca aaagggggccc 720
 ttaannaann aanaantttg ggttnnaang tttccttta aannaaaang g 771

<210> 13765
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13765

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 aactggagga gacactggag gctatacaac ttggcagaca gaatgctgta agtgaggctg 180
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 tcaactttgggt cacggaggag aaagaacagt tgaaagctgt tggttaatgaa ttaagggaagt 300
 caaacagtga aggatctgtg tctggagccg cagatggagc ccttaatcaa ggggtttgaat 360
 cctctccttg caaagaaagg agaactatat taaggntttt agagcaagga tntaaatcaa 420
 ctgaaaggat ntcaa 435

<210> 13766
 <211> 722
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H2

 <400> 13766

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 ccaaaccttc gtctctttct tttcgattcc aaaactaacc ctaagatcca ctgcaaaagc 180
 ctcaatgtag caaccatcgt cggaaaatct caacttctcg tcacatggat caacgaagaa 240
 gatgaagaag ctgcaagcaa agaagagatt gtttctcttc tagttcctat ccctagggtc 300
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 cttgttctgt tactccctgt tgatcatcct ttagtctcaa gacttcaatt tggtgactga 420
 ttctaagaga aaagtcgggg cctttaatga tgggttatga ttcaaagact ctatctttaa 480
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 ctttttanan tttctcaaga aaatgccgtt caantaaatt gggngaagaa tcaagctgga 600
 taatttgggt ttgggnactt gggtgtgtgt caatttgggn gggaattant gannaaanat 660
 ggttggttaag tnnannnaat tcgtaaannt tgnnccaant gggttgtgtt aacttagggc 720
 aa 722

<210> 13767
 <211> 726
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13767

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 aatgtcttcc taatccgtca aggataaatt tagaagaagg gaatataaaa agaatcgatg 180
 tgaatcatgg agggatatgt gacacatacc ttgagtgtgg aggggttgga tgttctgatt 240

atcgtcgggc gtgttgcgta aacggaaaat gtgtatgccg caaacaaggc caaactctgc 300
 ccgattgccc aaactaaatt atgtattgac aacattccaa ttaataaaaat aagatgtctt 360
 aaaaacaann naaaaaaaaa aanggnnggc gtcctaaaag gttcaaacct acgtncgcnt 420
 tcaagccacg tcatanctcc tccaanagtg tcanctaaan tcaantcact gggccgttcg 480
 ttttaaaacg tccntgactg ggaaaancct gnggttacc cacttaacg ccttgcaaca 540
 aatccccctt ttcgcaaact ggggttaata ccaaaaaggc cccaccgatt gcccttccaa 600
 aaattgcca cccnaatggg aaatgggacc cccctgtncg ggcataacc ggggtntggg 660
 gtaccactn acgcnaatnc aagccnagcc gcccttctn tctccttcc canttnggtt 720
 ccctaa 726

<210> 13768
 <211> 706
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H5
 <400> 13768

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 catgagaacg cttacggatt agctagatac gctgttatct gccaagagaa cggctcttgta 180
 ccaattgtcg agcctgagat cctagtcgat ggatcccatg acatccagaa gtgtgctgcc 240
 gtgactgagc gtgtccttgc agcttgctac aaggctctta gcgaccacca cgtcttgctc 300
 gaggggtacac tcttgaagcc taacatgggt actcccggat ctgacaagcc ccaaggtttc 360
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 acagtcaacn tnaanacatg gcaggttaan agggattca nggaaccaan aggttnttn 600
 ttagggcaag ggaatctgaa ccaaccgaa ctaaaggngc ccnaacttgg gtgggcaant 660
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<210> 13769
 <211> 660
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H6
 <400> 13769

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 aatcaatgaa gatttctaca ggcgtactct ttctgggtgt gttatcaccc tcgcctcttc 180
 tattgtcatg cnaattctct tcttctccga gcttcagctg tacattcacc cggttactga 240
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 gaaggttgga aacatgaaac atacgggggc cngttgggca aaactcaaat gagcttgtgt 540
 atcaagtagg anttnnaact acgaanaaag tgggctccgg ccgacaacac attaaaaagg 600
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<210> 13770
 <211> 71
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-H7
 <400> 13770

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<210> 13771
 <211> 75
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-H8

<400> 13771

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ctggcnaact ggtnt 75

<210> 13772
<211> 725
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-G6

<400> 13772

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aggccaantc ggtancagaa ggtgtgtcna tgtgggaatg gtctgggtct gcttttgatg 420
aaggagaaga actgcnaaat ggtttcagat tancttgga aacaaagccg tttgggtcgg 480
ttaataaaga tactgaaact agaccttcac tctganttt caccgggtta cncacacatc 540
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naacgtttta ccaatctgtg aaatggtctt cggtaaatnt tggataacaa ataacattac 660
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<210> 13773
<211> 80
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-E8

<400> 13773

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caaaaaccaa tcccttttga 80

<210> 13774

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-E9

<400> 13774

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catggacgta ttgtatgttt 440

<210> 13775

<211> 824

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-016-Q1-E1-F1

<400> 13775

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cattggatTTT ggcaaaaatg ctatcggagg gcgcaaaggt cgaatctatg tagttacgga 360
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cnaaacntaa acaatccann aaattTccaa nggggaaatt taacaatncc aaaggaaacng 660
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<210> 13776
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-F10
<400> 13776

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<210> 13777
<211> 506
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-F12

<400> 13783
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 aattaggcta tggcgatggt aggtgcacag caagttccag cagcagcttg tactccagat 240
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 agcatcactt ctaccttgca agctattgac aagaagataa tggcgcttgg ttacgggtgta 420
 atcagtgcag agatagctac tgtggacaca caaagaatct catggaggtg gttataatgt 480
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<210> 13784
 <211> 672
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-E6

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 catcttatcc ccgaatcaaa gctgaactcg atcccaacac ggtagtcgag atatctgtag 180
 gcgtagcaag cgtcgcatta ggaatcgga tccctgtgtt ctacgagact caaatcgaca 240
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 aatgcagatt gtgtgtggga agtggtaatg tgaccgtana gcttggtgga ggagagaaag 360
 aantetcaaa ctgtatcaac tgtgatggtg ctggttcctt aacttgcaact acttgtcaag 420
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<210> 13785
 <211> 689
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-G3

<400> 13785

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 tcttgatctt gctttangtg gaggcctaac aaaggggtccg gtaatcgaaa tatatggacc 420
 aagaaagtan tggcaaagac caagctaagc aatccaangc taattgctga aattgcaana 480
 aaccttggan ggaaatgcaa tggccttggg tgaatgcaan aagcaatgcc ctttggattc 540
 aaaccgttat tccnaaaagc nattttaagg ggtttnaagg tttnaaaaaa ttttggaaaa 600
 tngttgcca acccaanant naatgggna aaaatnggg ttttanaaaa angggnaaan 660
 ccnttannn ttttcccccc aaagggtn 689

<210> 13786
 <211> 62
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-016-Q1-E1-G4

<400> 13786

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<210> 13787
 <211> 460

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<400> 13787

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gagccatccc aggggtttgg ttaagcgcac cacaactaat taccaccaag gatacggcta 240
agaccttact cgtcaaattc aaaaagggtg atgatgctac tacggctact agcaacttat 300
acttcccggg ttgataattt aggtctaagg atgttcccg tctactaatc aactggtana 360
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<210> 13788
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<400> 13788

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gaagattgta gcagcggcat cacgcatgag tgaaagggtt cgagagcaagg ggaatgtgga 240
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gaaacacact gatgaccaag atgaagatga agaagctggt gatgatattg atacttctag 360
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<210> 13789
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<212> DNA
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 aagccgatat agatccttgg aggagaatth gtagcagacc gatctctgtc tgttgtctct 180
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<210> 13790
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 ggacaaacct ggaggcgaaa acgctactaa gcagcanatg attgattggt atgttcaaac 360
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 tgaaaggtat ttggg 435

<210> 13791
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-015-Q1-E1-E6

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 gagtctgtca aatcaggatt attagcacc c attgaagctg agcctgagct cgagggtgcc 240
 aaagaattga tctctcaatc acaattgaaa gagttaacct tgcagagaaa tccatgtttt 300
 gtccctattc ctgggtcagg ttttaaccaa ttgcatgaca aagagactgg gatcactcag 360
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 <211> 73
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13792

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<210> 13793
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13793

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gggatgaagg acaaggacaa gtttggcaaa gtcttggtc tcggtatggg attcatctct 180
 ctcatataca tcgcatttgg tatcttangt tacttggtt ttggtgagga caccatggac 240
 attatcactg ctaacttggg ggcangactt gtcancactg ttgtccanct tggactgtgc 300
 atcaacctcn tcttcacctt ccccttgatg atnaatccag tgtttgagat agtggagaag 360
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<210> 13794
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-F10
 <400> 13794

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 tccggcgcgc tgcgatcgcc cggacttcct cgcttctcag agctcgtctt ttcgcgnctg 180
 cctccgaatt ccattctcgc ttttctaatt gactatacca cttggacgac aaaattagta 240
 gcagtaatgg tgtgaggtct gcctctatag acttgattac aagaatggat gatagttctc 300
 caaagcccat tctgcgattt ggcgtgcaaa acttttcac tacaggaccc atatcacaga 360
 cggttcttgc aatgccagcc ttgtctccta ctatgagtca tggaaatggt gtnaaatgga 420
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<210> 13795
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-015-Q1-E1-F2
 <400> 13795

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 gatgtttctg aaagtgaatc aagaagagct tagaacaatg tgtcatgggc taaacgttca 240
 tgtgctgcct ttctttaagt tctatagagg agcagagggg taaagtctgt agcttcagct 300
 gcactattgc aactatcaat aagttcaana aancgttgga taancacggg attgaaaaat 360
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<210> 13798
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-015-Q1-E1-F9
 <400> 13798

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 tgccctcaaaa gccactcgct atgtacaggg atgtgatctg ctggaaggcg agtggggcga 180
 agttggaagc atactcttgt ggaaattaac tgttgatgga gagccaaaag tgtcaaagga 240
 tatgattgag gcgattgata tgaagatgaa tatgatccag tggaggggtg tagagggacc 300
 tctgaaggaa gagtacaata ttttctcgaa aacgatgaaa gtaagcccta agcaaggagg 360
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<210> 13799
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 <213> Arabidopsis thaliana
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 tcgtttttctc tttcctgctt tttttgtttg tagtttctga tctctcagga aggcttttta 180
 taaatttgcc ctcaatttct ccgtccctac tactcttttt gatcaatttc tacgggaaaa 240
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 agg 423

<210> 13800
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13800

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 ggtttctgtc tcagttggac tttcttccac tggttcatca gcttcattgt cttgttgtgc 180
 ttccacatat tctctgtttt tctcctctgc attctcggct tctgtttctt cattgtcacc 240
 atcagttgta gttgtagcat ccatcaattc gtctatggct ggctcttttg caagggtttc 300
 accttcggaa gtatcaggat gagactcaga tccttttgcc ttcttcgatg cangagggtgc 360
 aatctcagaa ctgggtttcc ccttgagtca gactatcttg ttgtggtcag aaacaacgaa 420
 tcagctgggg g 431

<210> 13801
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13801

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gtttctgttg cggacatcgg attgcttccc ctggattcag ttcccgccta agattgtgct 180
ctcttcctcc ttcttcatct atcaaggctg agtcatgttt aaaaagagac gtgcacaggc 240
aaagaagcag tcttgagtca atgttctgtt atgataaacc aataccagag gaaataatcg 300
aggagccagt tggattatcc atgtcagaga gagagattgg tgataatcag cgttgcaact 360
gttgtgaagc taaaggtgca atgccttggt ccacttggtc ctggaactgg tccanaagta 420
gattccaata agg 433

<210> 13802
<211> 432
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB25-015-Q1-E1-G4
<400> 13802

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atggcaactc agaaactaaa cctgagattt acgaatctct caatgaacta aaactggagg 180
aagaggaaga attaactacc gttcaccacg agagcagatc cccttcaaac aatacaactg 240
ttgatataatt cagcattgtc aaaggaactg gccgtagaaa aaatctcatg cgttcaaact 300
ctactgataa gtcttcagaa gcagagaatg ctgctggttt gagggtaaag aagatnaaga 360
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agagaaaccg tc 432

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<400> 13803

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 agtaagcaac atcaacgctt gcaactgctgt tggagatgta gttcgaacca cgctcggggc 180
 acgaggggatg gacaaactca ttcacgacga taaaggatcc gtcaccattt ctaacgatgg 240
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 cgccaaatcc caagactccg aagtgggtga tgggacaact acagtgggtc ttcttgcaac 360
 anagtttttg aaggaagcga agccatttat tgangatggt gttcangctc aaaatctaata 420
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<210> 13806
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 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13806

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 agtccatcaa aagatgtata cttgcattgt aggatgggtg atgaggctcc tttcaatatg 180
 tacaagaagg caggatacga ggttggttaag acagatacag ttttggtcct tctgatgtta 240
 cagcggcgta agcatttgat gcggaagaaa cttcttccac tatgcaccaa tcctatagta 300
 gaaatgggtg ggtctgataa tgagctgacc tcctctgcaa atgtgtaaac atgggagcta 360
 aatgtgacat gaccaaggtt cgggttgata atcccgtttg cttcgaccta tgttaaata 420
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<210> 13807
 <211> 440
 <212> DNA
 <213> Arabidopsis thaliana
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aagcaaagtgt ttccgtccaa tttctgggaa agaaacagtc tccgcttctc tcctcaactc 180
cgagatttct cactgttatc gccatggctc cacctaaacc cggaggcaaa gctaaaaaag 240
ttgtgggagt tatcaaactt gcttttagagg cgggaaaagc aactccggca ccaccggttg 300
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<210> 13808
<211> 419
<212> DNA
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<400> 13808

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agatttacac cagagactct cctcagggtg aaagacatga acagatcttg gtcaaaaaat 240
ggagctttct atctttgtta tcatgtaaga agcagatgct ttcaagtgtt tagaacttta 300
gatagcattg tagattcaat cctcttgaga agaaagtttg aggattcaga aatgttaaaa 360
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<211> 448
<212> DNA
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<223> unsure at all n locations
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<400> 13809

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cgacaatgaa ctcatcatgc aaaagaggca catcgagtgg atgactaaac acggccgtgt 180
ctacgcggat gtgaaggagg aaaacaatcg ctacgttgtg ttcaaaaaca acgtcgaacg 240
cattgaacat ttaaatagca ttcttgccgg aagaactttc aaacttgccg taaatcagtt 300
tgctgattta accaatgacg aatttcgttc caagtnact ggnttcaaaa ggggtgtcctc 360
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<210> 13810
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-C3

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gaagcggaag tagcacacaa ggcgaaaagc tttttcgcac aagccgagaa agaaactcca 180
gctttgaaag ggaagttttt cagtgcacagg aaaggagaaa attgaactca aaagttttgg 240
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tgtttttttt tttatgttcg atgagccaag aatctgaggg acctttgttt ctgatgcggc 360
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<210> 13811
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13811
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ccctggtcct cagggtcctt actactgtgg agttggagct gacaagattt gggggcgtga 180
catttcagat gctcattaca aagcttggtt atatgctgga attaacatta gtggtactaa 240
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aggtgatcat gtttgggtgtg ctagatacct tcttgagaga atcacagaac aagctgggtgt 360
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aacaantaca atac 434

<210> 13812
<211> 442
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB25-015-Q1-E1-D1
<400> 13812

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tgggtccggcg cttgggttcta agggagttaa cattatggct ttttgcaagg attataatgc 360
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<210> 13813
<211> 506
<212> DNA
<213> Arabidopsis thaliana
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<223> Clone ID: LIB25-015-Q1-E1-D11
<400> 13813

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 aagtaaaggg atacataacg gcccagaag agtttctgga gggcataact tggtcgagag 360
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<210> 13814
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13814

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<210> 13815
 <211> 356
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tccgatacga agagggttatt ggggtaacaa gattggaaaa ccacatacgg ttccgtgtaa 240
ggtaaccggg aaatgtggat ctgttactgt acgtatgggt ccagctccga aanggtctgg 300
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<210> 13816
<211> 437
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
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<400> 13816

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<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-D6
<400> 13817

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gaggaaacgt cggtggtagt agttctggcg gcggaggtag cggttcgtgt atgccacaaa 180
 gtgtaaacag ccgtcgtggt ggggttagag agtttatagt gaaccaaata ggaattggga 240
 agatggagta gaggataag aacaagtttt cctctgttt ctcgggaaaa taaaagtttc 300
 aggcttttca tgtatagagc cagtagtaga gacgacgaaa ggaggaagcg aaatcaaaaa 360
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<210> 13818
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13818

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 gcgtaagcat ttgatgcgga agaaacttct tccactatgc accaatccta tagtagaaat 300
 ggtgggggtct gataatgagc tgacctcttc tgcaaagtgt taaacatggg agctaaatgt 360
 gacatgacca agggtcgggg ttgataatcc cgtttgcttc gacctattgt tatatgatct 420
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<210> 13819
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13819

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tcttcaaggg gggagcttgt gaaggagatc ctaacggagg gaacaaaact tgttcaggaa 180
 atagccaata aacttttcaa ctttccttct actgaaacaa atgatgggtcc tattgtccaa 240
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 acgaagtggg aagagtttgc gcttaagaaa ggtatacaga agcgcaagaa ggaaaaagtt 360
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 a 421

<210> 13820
 <211> 86
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13820

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 ttctgatctc tcaggaaggc ttttta 86

<210> 13821
 <211> 478
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13821

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 cgtctcgttt cgtcgggtcca gtgttaatan naaatgagtt caactgtttc aaatccccaa 180
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 ancanagtta gtttctgtgt gttggaatca ggattcaagt tgttttgcag ctggaacgag 300
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 ggacgggtggg tttaaaatcg taganatgct tttccgtatc aatatactgg cacttggttg 420
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<210> 13822
 <211> 417
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-014-Q1-E1-H3

 <400> 13822

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 attgcaagta tctccaaggt tttgatttcc acaatggcaa caactactct caatgacagt 180
 gtcaccacta cacttgcttc agagcctcaa aggacttacc aagttgttgt tgctgcaact 240
 aaagaaatgg gtattggtaa agatgggaaa ttgccatgga atttgccaac agatctcaag 300
 ttctttaaag acattacttt gaccacttca gattcctcta agaaaaatgc tgttgtgatg 360
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<210> 13823
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-014-Q1-E1-H8

 <400> 13823

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 agatctcttc gtgttaattg attattcgga ggcggaaaaa aggacaataa agaggatgga 180
 caatcaaagg caggaattct aggtaacatg cagaatttgt atgagacagt gaagaaagct 240
 caaatggttg ttcaagtaga ggctgttaga gtgcagaagg agcttgctgt tgctgaattt 300
 gatggttatt gtcaaggcga gcttgtcaan gttacattat cangtaacca gcaaccaatt 360
 cgcactgata tcaatgatgc anc 383

<210> 13824
 <211> 496
 <212> DNA

<211> 431
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-015-Q1-E1-A12

 <400> 13826

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 aattctctgc cttcttttagt aatgtcaagt gagcagcgag aagggttcgca agagacgacg 180
 acgacgacgg tggaaggtaa cggaacaatt gcaggtcaga attctcattc ggcggtctccc 240
 acgacattga gagctacctc tacgatgggt tcttgccaga gactaaggct aaaccctaac 300
 aacgagcata gaccgatag ttatgaagat ctgcagcttg atttcccaa ctcggtatat 360
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 aattcatgac t 431

<210> 13827
 <211> 330
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13827

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 gttcgagatc canaggacaa gaagaaaaca gaacatcttc ttgcactatg acggtgcaaa 180
 agaaagactc aaattgttca aancagatct tttgnaanaa tcttcttttg atcaagctat 240
 cgatgggtgt gatgctgtct tccanantgc ttctccagtt ctattcantg tcacacatcc 300
 tcanacngag ctgattgatc cancttaaa 330

<210> 13828
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A6

<400> 13828

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ttgcccattc tttgtcgtcg tttttcgatt ttccttgatt cgccggagaa atagcgtttc 180
cggcaatgaa aacctctctc cgacgggttac gaggtgtgct tcacaagcat gaatctaaag 240
accggagaga tcttcgagct ctggttcaaa aagatgaact tgcccaaact tctcaaggg 300
acgnagaaa gacaatgaag aaaattggcc taatgaataa nccttggcnn aaatggcccc 360
cctngcctgg ctaantggnc aaataantgg gcttaaagga aatttttccg gnaaacctt 420
ttgcnaagaa actaaggggg ct 442

<210> 13829

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-G9

<400> 13829

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tctagttcag gaatacgag cgaaaggaag tcccagagttt ttcttcattg tnnacatata 180
ggtccctgggt tcggctatgt acagtctagc attgtactat atgctgaaaa caccattgga 240
ggagcatcct ttgttagaga gttttgtgaa tggtgacgat gcttatcgaa actcgcgctt 300
taaactcacc cctcatatct ccaaagggtc atggattgtg anacaaagtg ttggtgaagaa 360
gcttgcttgg ttggtcaggt acgtnanttt gtttnntccc ccnncgggaa aaactactta 420
gnnctnacaa tnnagttnng gtctcaac 448

<210> 13830

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A7

<400> 13830

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ctccaacaac aacaacccaa ctaaaccctt tcttctctcc ctcagattcg cctcctccaa 180
ttctcttcca ttgttgtgtc ctctcaaatt ctctactacc aatcacgtcc ttagtaactc 240
tcgtttctct tcgaaccgaa tccaaagacg cctttttttg ctccgatgcg ttccagaaga 300
atctcagccg tctcttttcta tcggtaacgg cggctctgaa gagagagtga atgttcttgt 360
aattggtgga ngaggagag aacacgccct ttgccacgcc ttgaagcggg ctccttctgt 420
tgantc 426
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<210> 13831

<211> 438

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A8

<400> 13831

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gagcaccatg gatcggtgta tctatgggtg ctccgtcatt actatcttct tctccttctt 180
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aataaactca aactccgtcc tcgtagctct cctcgantct cgttacactg aactcgccga 300
gctagttgag aaggctcttc ttctccaaac cctcgaanga cgcggttggt cgtcacaata 360
ttacnatttt ggccccaagc aatgaagcat caagcgtgac cttgaccggg attttaaacg 420
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<210> 13832

<211> 510

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-A9

<400> 13832

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gatgagtact ctctctacca aataaataag gaaacataaa aaacatctct ctttctttct 180
cnacatgaaa aacaaaagat tcttcaatth tgttcttatt tttcatttag tcacagtacc 240
tctctcacta taaaccacac tgtcttgaga taaaatacaa aaagagaaga gattaaaaac 300
ctcatccgat gatagactac gagagaagca ataccaccaa gaacatcaac acccatcatc 360
acaaccctcc tccatcttca tcttctcttg atcttcttcc cgacggtaat ggaaccgccg 420
tgactcagaa gcggaaacgg agaccgccg ggacaccggt tcgggaggcg gaggtggtac 480
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<210> 13833

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-015-Q1-E1-B1

<400> 13833

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gcttctatca atctcttctc caacaacaat aatccaacta anccctttct tctctccctc 180
agattcgctt cctccagttc tcttccattt gttgctctc tcaaattctc tactancaat 240
cacgtcctta gtaactctcg tttctcttcg aaccgaatcn aangacgctt ttttttgenc 300
cgatgcgttt cacaagaatc tcagccgctn ctttctatcg gtaacggggg ctctgaagag 360
agagtgaatg ttcttgtaat tgggtggagga gggagagaac acgggctttg ccacgccttg 420
aagcggcttc cttcntgtga nttg 444

<210> 13834

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-B12

<400> 13834

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gtttacttag gaaggaatgc aagtagtcct gatccaacct cgttctgtct agatggagct 180
ttggatcggc gccatgtagc gggaaagatc gtgatatgcg accgcggtgt tactccacgt 240
gtgcaaaagg gtcaggttgt gaaaagagct ggtggaattg ggatggtttt aactaacact 300
gcaacaaatg gtgaagagct tgttgcagat tctcatatgc ttccagctgt tgcagttgga 360
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<210> 13835
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-E5

<400> 13835

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aaatggcggc agctcttgta cgcagattct gccggggatc atcttttccg gtctctggtc 180
atggatatag gatgctatcg acggttgaaa atgtatctga aagtgggtaa atcgatgaat 240
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<210> 13836
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-E9

<400> 13838

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gagctttgaa ccagagatcg aagctttgaa atccttcaag aatgggtattt ccaacgaccc 180
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aggtgttctg tctccagcca tagcgaatct cacctatctc caggttcttg atctcacttc 360
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<210> 13839
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-F12

<400> 13839

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<210> 13840
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<212> DNA
<213> Arabidopsis thaliana


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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-013-Q1-E1-F6

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atctgagagg aattgctatt ggcaatccag ttttggagtt tgcgacagat ttcaactcgc  180
gagctgagta cttctggtct catggcttga tatcggattc gacttacaaa atgttcacat  240
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<210>      13843
<211>      447
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
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cgtgaaaatc tcgtaatcag attcaaaatt gaggatgggt agctgctacc gtaatccttg  240
cgtgaagatt gagaagaact aattttgggt tgtgagcaac tttcgaatca gctctggttag  300
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<210>      13844
<211>      443

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[illegible]

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taaatctttg	atagacaana	ctcatganct	aagtctgggt	tgttcttgat	ggataattgt	360
gcacaagcca	tgcataaaaa	aacacactgg	gatnggectg	gacattgttt	tgatgggtac	420
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6727

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-G10

 <400> 13846

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<210> 13847
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 aaattgcaca aat 433

<210> 13848
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 13848

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ggaaaagact tcaacaatgt aacttatatc aaggttgaat acgaaaagga cggaaaattc 180
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<210> 13849
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 <213> Arabidopsis thaliana

<223> unsure at all n locations
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gccgtcaaaa gactcgataa gtctaagatg gttcttccta ttgctgttga aggatgtcaa 360
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 <213> Arabidopsis thaliana
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<210> 13858
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<213> Arabidopsis thaliana
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<210> 13861
 <211> 448
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gactatcttc attttgtgaa gaagtatcga aagatatgan aaaagacact caaacattcc 360
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<210> 13862
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<213> Arabidopsis thaliana
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 <213> Arabidopsis thaliana
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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
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6743

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 <400> 13880

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 tccaagaaa tcgaatcctg agtagcagac aaatgaggaa cgtcgtgtgt gaccgagttt 120
 ctccaaggag gaagaccacc attacctcgt aaatagttac cagatctagt cctaagctta 180
 atcttagacc cttctctaag cggttcccac tcaacagacg aatcaacncg anncngttnc 240
 aa 242

<210> 13881
 <211> 235
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-B5

 <400> 13881

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 gaatccgntg atgacatggg tttcagtttg ttcgagtaat gcggtatact tggcatttgg 120
 ttttgctgta ccctttcgaa atctttatgt cgttgttttag tttgttgtat tcgactatct 180
 tcttagactt tgctgaaatt ctcaagagat ttttttactc anaaaaaaan natna 235

<210> 13882
 <211> 522
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-013-Q1-E1-B6

 <400> 13882

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<210> 13884
<211> 716
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13884

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cgccgcatct cgaaccttta ctcgagagtt aagcaacgaa ggccatggct gccaccagga 120
gacgcgaccc ttttcaattc tcgccggaat tgggattccc atctgtttgt ttacgcttcc 180
tcttcttctt ctccgtcgtc gtcgcctccg tctccaaatt caccgacgga tgatctcacg 240
gcagagttgt gcgtcaatac tgggtcttga tctctttaag anaggacggg tgaaagatgc 300
tcttgttcaa tttgaaactg cactgagttt ggctccaaat cctantgant cacaagctgc 360
ttactataac aaagcatggt gtcatgccta ccggggcgaa tgaaaaaaag ctgtggattg 420
cctgcgaaan tgcgttgana aaatataatc cgaaatttgc cacgaatcct aaagattctg 480
aattaacatc ctttcgcnc aataaccgag tttaaaggag ctgcaagaaa aaggcaaggt 540
taaggcnggg aaanatattg gcaataaatt tccgggaaaa tttgaaactn accattttaa 600
ttcgaacacg ntttcggggn gttanaaaat cctttatttg catttnnnn acaacgggta 660
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<210> 13885
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C10

<400> 13885

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aactctcgac cttatccgtt ctaagggtaa aaatgttgct tttgtgacca acaattccgt 180
aaaatcnagg aggcaatacg ctgaaaagtt ccgatctttg ggtgtcactt ctattactca 240
cgatgagatc ttctcttcgt catttgccgc agctatgtat ctcaaagtca ataactttcc 300

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gaagaggatg aggaggagat tgcagagatt aaagctggtc actttgagga atccatgaaa 360
 tacgctagga gatnagtgag tgatgcagac attcgcaagt atcangcttt tgctcanact 420
 ctccagcaat cacgtggggt tgggaagcca agttcaagtt tccagatgcg ccgacaagga 480
 ctactggagc tttccctgga gctgctgcca caattggggg gaattcaacc cgttttgcca 540
 aatcccggan ggancaaccg gattgaataa tgattctccn anaagtttta aaaaggtcct 600
 gaatttaaga acccctgggt gaactaactc cncctttta ancccttta aaccttttgg 660
 gttcccngcc nttnnaaaaa aaaacttttt ccnaaatggg gnccttttg gttngggggg 720
 tttttnaaat tttaaaaaaa antnccntt tttggnnaaa aaaaaancc cntttngan 780
 aaaaanccct nnaaaaaa 797

<210> 13888
 <211> 756
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13888

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 ttcttcaaac ttgcgctctc tgtctcgtct caatcacaaa tcatcttcga gattgcgaag 180
 ctcttctctt tacaaaggaa gcttcttctc tgtttcgaca aagaccagga ggaacacttg 240
 taaagccaaa tcatggaatc tcggtcttgt tatcaactct agaagctctg aggtcttcggt 300
 ttttgatccg ttggggatca atccagatga aacttctggt ttaagtagca tttgggaaag 360
 ctttgtgagt cttttgtcac catcatttga aagctcttcc ggtaacaggc gagataagcc 420
 gtcttctggt agaagcgtgg caactgctat tgangacagt tccaatgatt ttggagaatt 480
 cctcaaaagg ggcaattgcc aaggaaattt ctgaaacntc ctgggggttt aactcccccc 540
 ncggcttgga anttacatan caatccggcg ggggttaacc caaaaacctt tgggttngaa 600
 anttgggtta anaataacaa tttttagcaa cntttggnna anaattttcc ngggggggan 660
 ggnaaaaagt taaaactttg ggaaaaagtt tnnccccngg aattgttncc ttttaaaaaa 720

anccccaaat tgggnttttaa acttttctggg cnaaat

756

<210> 13889
<211> 870
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 13889

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gtccgccnac gcgtccgcaa gcagtaaaaa gatccaggag acatgttgaa gaagagccaa 120
caatggtaga acctaaaacc aagtacgatc gtcagctcag gatttggggg gaggtaggtc 180
aagcggcctt ggaagaagcg agtatctgtt tactcaattg tggccctact ggttccgagg 240
ctttgaagaa tctcgtactt ggtgggtgtt gtagcatcac cgttgttgat ggatctaagg 300
ttcaatttgg tgaccttggg aacaatttca tgtcgatgcy aagagtgttg gccaatcaaa 360
agccaaatct gtttgtgcgt ttctccaaga gcttaatgat tctgttaacg ccaagtttat 420
tgaggagaaat ccagacacgt tgattactac taacccatcc tttcctctct cagttcaact 480
ccccgttata accactcagc tgggtgggaaa gaatcaatgt tgaaaacttg ataanaatcc 540
gtccaagatg caaaacntta aatttggttt tgggtccnnc cctaaanggc cctngccngg 600
ggtttgggtc ccaaccnccn gttaaaggag ccaccccat aaattgacnc caaaaacctg 660
gatnnatttt cettgaanaa acttccgccc tgaaataaan ccaagggcct gnaaacccaa 720
aanntttttg tgggaaaacc aattgntttg naaagttnc aaaanccggg cccctnnana 780
aaaacccaan accttaagtt cgccatnct gttaaaaatg cctaaganat tggcccaanc 840
cccaanngg aacctccca accnggggaa 870

<210> 13890
<211> 681
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-C8

<400> 13890

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acagcaactc acaccagggtt ggtttgatca ggatgcaaat ggaagtgcag agaagggttgc 180
atgaacagct agagggtgcaa agacatctgc aactgaggat tgaagcaciaa ggaaagtaca 240
tgcaatctat cttggagaga gcttgccaaa ccctagccgg tgagaacatg gcagccgccca 300
ccgcagcagc cgccgtcgga ggaggatata agggtaatat ggggaagtgc agtctttcag 360
cagcgggtggg cccacctect catcctctta gtttcccgcc gtttcaagac ctaaacaatcc 420
tatgggaaac acaaccgaac aagtcctcga acatcacaac ttccatcatc caaaacatag 480
agaaccantt ccacgggtaa caatgctgca gacaccaaca tttacnttgg ggaaanaaac 540
cgacctaaan cctaaatttt gggaaccaat nttanggaaa gggncattg angttggccg 600
gatttaagat ttncgattnt tttccgcaaa accaaaccna ttttangnnn naccnttna 660
anttcngnt ccnannngg g 681

<210> 13891
<211> 880
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D1
<400> 13891

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tgattaattt ggcattgtat atcttatgtc tgattgtgtg aaaaaaccac aaatgaaag 180
agtttagaca caaatcacag ttaagacaa aattatagtc ttgtttcttt caaattatgc 240
aaaaaaatca agaactctgag acataagaga aacgtttatg tctctctctt ttaatcaatg 300
ctatgttgct tttctcaact gtttcaagcg ttattacatt actaagctaa aaatcttgat 360
gtcttgttct tatttttgca gtttctctc ttgagctttg gaattgaagc taagataaga 420
aatttagaga gaaatgggat gttctcattc caagtttgat gacgatgaag ctgttcagat 480
ctgtaaagat aggaaacgtt tcatcaaaca agcagtggna cataaggact ggggttggct 540
tccgggtcac aattggctta aatccaagtc ccctgaagga aagggtcaaa aatggctcct 600

gccaggtgga gttctatttc agtgatagta atctacccat tgatgatttc ctcaagaaga 240
 ctgttacaga gagcgaagat ggcttggtga gtttggcggt gatttgctcc tttagtaaga 300
 tgagaggata tttgaagttg ggtgattcta aaggagatga tattcctgaa gataccatca 360
 aagctgttgc tgatactctt cgaanctctt ctgctctcaa gatttctgac gatgggaaaa 420
 aggttggtag gagtactgaa ttgttgaagc tggaagattt gattgagcaa cttaatgcta 480
 anaacagtac ctgcgtcacc tttctcctan gaatgttaaa aggggaaaaa cgttggaaat 540
 cctttttcag tccnntaang ggaaagggtt aataattggt nanggaatgc ctccgtcaag 600
 gttggcaaaa attcnaagga aaanttttctn ggggggttgc cttgggttna antttcccca 660
 aannaaanaa gggatncccc aaaaatggtt 690

<210> 13894
 <211> 670
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13894

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 ggtggactcc gtcactactc tcgctagagg gtgcactgga ggatcaatta ctgagaacgc 180
 ccagagattt ttctgggaaa tttgcgttga agctgctgcg aatggtaacg gatcatacgc 240
 gaagaagtta ctgaagaaac tcataaatga agttgagtta gagaatggtg aagtattgga 300
 tgaagtgtat gaagagtatg ctctttacat gttaacttct aaggaagata tattggtgaa 360
 agaaaacata aggataacca aattcatttc ttttcttttc cctgaagggt cgtacaaaca 420
 cccgagttgt ccaagggtcg ggaaattagt tattccgctg caatgttccg ttgaacatgc 480
 ttgaaaggag aataccgggt gttcaacctg ggcatecnag tccggttccc gtcaanaant 540
 ttgttttggc catttcaana gtttantccc ccaataaaan cctgggttttn aanggttggg 600
 gtcctggaat tttggnaaag ggncnngaan tttgcccttg caaaattntt aaagggccaa 660
 aanaagggtg 670

<210> 13895
 <211> 781
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-A4
 <400> 13895

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taccaagttt gagcgcatTT acgactatga tgtgtacaac gatgttgggtg accctgacaa 180
tgatcctgaa cttgctcgtc cggtaattgg aggccctaca catccatatt caaggcgttg 240
caagaccggt cgaaaacctt gtgagactga cccctcttca gagcaacgct acggggggaga 300
gttctatgta ncaagagacg aggagttctc tacagccaag ggcacttcat tcacaggcaa 360
ggcgtactg gcaactcttc cctccatctt cctcaaatt cgaattctgt tctantgaag 420
ttcccaaaga anctttttcca cacttcaagg gcatacaaaa tctccttgaa aaaagnattc 480
aacctcccaa aggatctggc ctcccttaact ctgctcccca naatcatcaa agctcttggc 540
gaagctcaag atgataatcc nccagtttga tgccccaatt ccaataacan ggataaattt 600
caagggttaca anacaacaan tttgcccccc anaaacttgc cggccttaaa ccctaanncc 660
attcaccnan tttaaaaatt ggcctntaan aancaaactt aaanccggcc ctttaaaggg 720
gattccaact caanccatan cttgggaaan tnttgnaann aaantttaag ggaaacttnn 780
a 781
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<210> 13896
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-A5
 <400> 13896

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aacctccaca gacgccttca caaatgcacc tttaagaaga aggcaccgaa agccatcaag 120
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<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A7

<400> 13898

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ccacaagcaa gagggcccacc ttgccctcaa ccccttcggt caaatcctg ctctcgagga 180
cgggtgatttg acgcttttcg agtcaagagc catcacacag tacctagcag aggaatacag 240
tgagaaaggt gaaaagctta tctcccaaga ctgcaagaaa gtcaaggcaa ccactaacgt 300
atggcttcaa gttgaagggtc aacagtttga ccctaacgcc tctaagcttg ccttcgagcg 360
tgtctttaa ggcattgttcg gcatgaccac tgaccctgcc gctgtccaag agctcgaagg 420
taagctccag aaagtcttgg atgtctacga agctangctc gccaaatctg agtttcttgg 480
ctggtganc cttcactcct tgctgatctt caacaactcc caaccatcca attacttggt 540
gggggtactga ctccaaaggt gtccttttga antcctcgcc cttaaagggtt tanccaaatt 600
gggnttaaag aaagantttc ctggccaaag gccctggcct ttggggccaa anggggtaat 660
tggaacctcc aaaaaancc antttnttga acccctcnc ccccttttcc nttnaaat 720
tcctttttcc ctttttcccc tttttggncc ccaaaat  aacnaaht  ccaanttgn 780
nttttncnt tttccctngg ggnttaaang tt 812

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<210> 13899
<211> 828
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-A8

<400> 13899

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gtatttgtag ccatgagtct tgtttcagat ctcatcaacc ttaacctctc agactccact 180
gacaaaatca ttgctgaata catatgggtt ggtgggttctg gaatggacat gagaagcaaa 240
gccaggactc tacctggacc agtgactgac ccttcgcagc taccaaagtg gaactatgat 300

```

ggttcaagca caggccaagc tcctggtgaa gacagtgaag tcattcttata ccctcaagcc 360
 atattcaagg atccttttccg tagaggaaac aacattcttg tcatgtgcga tgcgtacact 420
 cccgcgggtg aaccaatccc gactaacaaa agacacgctg cggctaaagt ccttagcaac 480
 cctgatgttg cagctgaagt nccatggtat gggtnnttgag caagaatata ctttactcca 540
 gaaaagattt gaaattgcct gttggttggc caattggtgg ttancccnng cctcaaggga 600
 ccgttcnaat gccggtattg gagcagacaa atctttggca nanaattttg ttgatcccat 660
 aaaaggcctg cttatacccc ggattacatt antggcacia nggaaaatca tnccgggtnc 720
 atgggaattc cagtcggtca accgttggga atccggggcc nanaaatttg ggcncgccga 780
 aatttttgaa ggtncnnaaa tncnggnnng ggtcntttgc ccnaacct 828

<210> 13900
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 13900

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 ggtgcttgag cgtagtgtct ggttggaaga tgcatttgat cgagcaaggc agctatatct 180
 ttcgtatttt cgatcaattc ctaaaagctt ggagcgtgcy actgctcata aacttatgat 240
 cgctatgctg aacggtgatg agcgttttgt tgagccgaca cctaagtcac tacagagctt 300
 gaatctagaa tctgtgaaag atgcggtcat gantcatttt gttggggaca atatggaggt 360
 aagcattgtg ggggactttc acaagganga aatccaaacg ttgcatcctt gantaccttg 420
 gnacaattta agctaaccat gaa 443

<210> 13901
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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664733-123456789

<400> 13901

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tcttccaacc aatatacttc tcatagcttt cttcaactac tactacactt tcttgcaact 180
tgaccgggac gacgtgagtg aacaattaaa acgccaaggt gcatcaatcc ctctagtccg 240
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ttctgcattt ctggctgttc tagctgctgg tcttgctgta ntcgaacaga tnactcactt 360
gacaacattc anaggatttg caagcacttc tgttccgatt cntgtcgggt gtgccacaaa 420
tactgcaaga a 431

<210> 13902

<211> 872

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-012-Q1-E1-B4

<400> 13902

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gtgatctcct tcttctctac gaagtttaca ctttttcttc aaaggaaaca atgagccagt 180
acaatcaacc tcccgttggg gttcctcctc ctcaagggtta tccaccggag ggatatccaa 240
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ctcagggata tctcaacaa gggtatcctc agcaaggata tctccaccg tacgcgcctc 360
aatatcctcc accaccgcag catcagcaac aacagagcaa tcttgggctt tctagaanga 420
tgtcttgctg ctctgtgttg ttgctgtctc ttggatgctt gcttctgaat ggagtctctc 480
tctctctgca taaaacttcg ggatttaatt gtaagaaggt tttggttaaa caaaaacctt 540
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tgtaaagggt cctccgggtc aaaacaattt taaacaaatg gtccaacnaa antttcgggc 660
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<400> 13904

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caaaagcctg atgatcttct ttctcgatgc aatgggtgtac catgcatttt tccagattac 120

gagtttgga ctgagatttt aaaatacata cgtaccacca ggtctctatc ttgaaacaaa 180

aacactctct taactacaca agtgcagtga tatatataca tcattgatcg tcgtgccaac 240

agatctccca cggtgagaat tactgcagct actacactaa ctggtcagcc tgcaacaact 300

aaggttgctg cattctcatg tanaagggcc taattcgggt tcaccagcca ttctcaagcc 360

tgatatanca gctccgggtg tgagcatact cgcggcaata agtccgctta atccaagaaa 420

gaacagaacn ggatttggac 440

<210> 13905

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-011-Q1-E1-G7

<400> 13905

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gttctagacc taattctctca gnancctttc tcgtcccttc cttgaaattc tccaccggaa 120

tatcgaattt cgcgaatctg agtaatgggt tttctctaaa atctccaatt aatcctgggt 180

ttctcttcaa gtctcgtcct ttcactgtcc aagctagagc tgctgcagaa aaaaccgttc 240

acgatttcac cgtaaggac attgatggga aggatgttgc tttgaacaaa ttcaagggga 300

aagttatggt gattgtcaat gttgcttcaa gatgtgggtt gacatcatca aattactcag 360

agctttcaca tctgtacgaa gaaatacaaaa actcaaggat ttgagattct agcttttccc 420

tgg 423

<210> 13906

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-011-Q1-E1-G8

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 ttgagatcgg gagagtagca cttgtgaact acggagaaga tcatggaaag ctgctcgta 120
 tcgtcgacgt tgttgaccag aacagagctt tgggtggatgc cctgatatg gagaggatcc 180
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 agaagaaggc tttgatcgag gcaatggaaa aggctgatgt gaagaacaag tgggagaaaa 300
 gctcatgggg taggaagctt atcgtgcana aacgtagggc taaccttaac gactttgata 360
 ngttcaagat catgttgggc aagatnaaga aagctggtgt tgtcangcaa gagcttgcaa 420
 aactcaaaga aggagatnac tgcc 444

<210> 13907
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-011-Q1-E1-G9

<400> 13907
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 tttgaaagtc aacggatacc cttgcaaaga cccagcaaaa gtaacaccag aagacttcta 180
 cttcataggc ttagccactg ctgcagccac agccaactct tcaatgggct cagctgttac 240
 aggagccaac gttgagaaag tgcctggcct caacactctg ggagtctcca tctctcgat 300
 cgactacgca cctggcggac ttaaccacc acatcttcac ccaangagcc tctgaagcca 360
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 ccaaacact 429

<210> 13908
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-011-Q1-E1-H12

<400> 13908

6762 "163660"

<400> 13910
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aatttgacgt ttttgttctt cgaaattcaa attcaccag aaaaaatctc aatccgcat 120
ggttgaagaa tcagcttctg cgtcggaagc ttcggtgata caaacctaa ccgagccggc 180
gacggagatt gcgcaaacc tagaacctaa cctagcctca atcgaagcca ccgtcgaatc 240
ggttgttcag ggaggcactg aatcgacttg taacaacgac gctaataaca acaacgccgc 300
tgacagtgtc gctactgagg tttgtgatga ggacgtgaga aagacgcttg agttcgctga 360
aggaaattga cggagaaagg gtccgttggt tttgaaagaa gaacgaattt cgctgaancc 420
gtcaattgct caancgtggc cccnnaaatc aagg 454

<210> 13911
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-H7

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tgttgccact ctttgacccc ccaagacatg acagtgcgga aactattaga cgagcccttg 180
agcttggtgt caatgttaag atgattaccg gtgaccaact tgccatcggt attgagactg 240
gtcgtaggct tggcatggga accaacaatgt acccatccac ttcactcctt ggcaattcaa 300
aggatgaatc attagttggc atccctatcg atgagctcat tgagaaagct gatggatttg 360
ctggagtctt ccctgagcac aagtatgaga tcgtaaagaa gctacaagag aggaagcaca 420
tttgtgggat gactggagat ggtgtaaa 448

<210> 13912
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-H8

<400> 13912

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 acaacgatag tgatgaaact gatttcgggt ttggtgaggc tgacaccgac gatgccgcca 180
 tcatcgctc ctatcgctct aagagtaatt atgttgttct caaggaagaa gatattcgca 240
 ggcacagaa cgatgatgtt gggcgagttt ccgcggctct ctccataacc gatgtcgaag 300
 caagtacttt gcttcttcac tatcactgga gtgtcagtaa agttaatgat gaatggtttg 360
 cggatgagga gagagtccgc agaactgttg gcatattaga gggacctgtt gttacaacac 420
 ctgatggcag agaatttaca 440

<210> 13913
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-011-Q1-E1-H9
 <400> 13913

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 ggagaagctc tagcaccggc acgcttccac cgggtcctcc gatactgcca ttggtcggaa 180
 acatattcca actcggatcc aatcctcacc gttcacttgc tgccttttcg aaaacgtacg 240
 gacctataat gagtttgaag cttggaaggt taaccgcagt ggttatatct tcaccagaag 300
 cagctaaaga ggcacttaga acacacgacc atgtcatgtc cgctcgaacc tttaacgacg 360
 ctcttcgagc ctttgatnac cataaacatt ctaatgtctg gattcccccc tctgctcgtt 420
 ggagggnttc t 431

<210> 13914
 <211> 685
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-A1
 <400> 13914

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ggatactcgc tctcctcctt acgctccttt tcagcagcca ccgcttccac agctgcagcc 180
ggagctccta atagctcgct tgacccta atcgactaagaa acgtggctgt gatagctcat 240
gtcgatcacg ggaagacaac acttatggac aggcttcttc gtcagtgtgg tgctgatatc 300
cctcacgagc gtgctatgga ttctattaat cttgagcgtg aacgagggat cactatttct 360
tcaaangtga catcaatatt ttggnangga caacgaactt aacatggtag acacacctgg 420
tcacgcaaaa tttgggtggc gaaggttgaa cnagtccgtt ggggaatggnt tgaaaggaag 480
ctaaaattaa nttggtttta ngncngggaa aaaaggcccc ccnttgnaaa aaancnaaan 540
ttttggttcc cttggccaaa aanccccttg naaantttnn ggggcntaaa gccccaaaa 600
ccccttttcc cctttaaaaa caaaggggtg naanttttnna ncccttttaa anttcccng 660
gggaaaaaaa aaanggggtt nnant 685

<210> 13915
<211> 431
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-012-Q1-E1-A11
<400> 13915

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tatatacaaa tattaact tcttcttctt caattacaat tctcattctt ttttcttctg 120
tcttatattg tagttgcaag aaagttaaaa gattttgact tttcttggtt cagatttcag 180
caaatgggat cgattttaag cttcgtctgg gttaaaagct tggatcctat ctgaagacag 240
aacaaggtt cttgcttttg attcattgcc cattttgaga agatgttcga aggtcgtcct 300
cgtgattctt gtctagtttc aacacttttc accatgccaa gccataaaga aacgaaatgg 360
agcttttttg tttctgggaa acgatctttt ctcaacaacg atgagtctga tcttcacttc 420
aagaaagatg g 431

<210> 13916
<211> 432

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-012-Q1-E1-A12

 <400> 13916

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 ttcggatttc gatatgatga agaggggtcac gagaaatggc ccggtgggta aaaccaaacc 180
 ggtgattggt gagaaagtcc ggtcggctgg gtttttgtcg ggttgtaaga gtcacaaagc 240
 tgtctcgggt gttgatagtt ctagaaaagt gaaagaaaca gccaaagggtg atcatcacga 300
 gatgtctcat cagaagaagt ttaaaactga gattangatt caagacttga gctttcttaa 360
 taaacaatgt ttgtgtatgt gtgtgtccta attaagtttc atcaaataat tttgtatatt 420
 cctcnngagt aa 432

<210> 13917
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-011-Q1-E1-G5

 <400> 13917

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 tttgtcgttt gcttatgttg aaggagagag tttgttgatg ggattgaagg aagttgcagt 180
 gtctagtgga agtgcttgta ctagtgcgag tttggagcct tcttatgtgt tgagagcttt 240
 ggggtgtggat gaagacatgg ctacacttc gattaggttt gggattggta ggtttaccac 300
 gaaggaagag attgataaag cggtcgagct tacgggttaa caagttgaga agttgaggga 360
 aatgagcccg ctttatgaaa tgggttaaaga aggtatcgat atcaagaaca ttcaatgggt 420
 ctcaacactg attcaacagt tccactca 448

<210> 13918
 <211> 52
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-C5

<400> 13918

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<210> 13919

<211> 181

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-C7

<400> 13919

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ctgcaagttg ggaaatttct gtcaaagttt tgtgggtctg ttaaaaagat ctgagctttg 120

aanatggtga gctcaatgca cggagaangt ggtggctgtg atcatggctn gtgggtccan 180

c 181

<210> 13920

<211> 69

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-C8

<400> 13920

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gattggaaa 69

<210> 13921

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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 cctctctctt ccttccttct cttcccttcc atccttccaa acnngtattc gccaatctct 180
 attcccttcc ttgtgnntct cccgtctcat tccaaccga ctccgactcc gagtcactgc 240
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 tccaacgtga ctcccgggcg gtgaaatcta tcgccanact cgccgctcaa atccccggaa 420
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 tcnnaangga g 491

<210> 13922
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-010-Q1-E1-D12
 <400> 13922

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 ggaagaagaa gaaaatgata tttcgccgaa ggagaatgcg aaggaacaag agagaggatt 180
 actacttcaa acaaagctcg aaaaactcat aggttgtggt gagctaaatt atgctaggga 240
 aaccggtgat gtaactctgg aagcaactct acggaagata tcattctctc ttgaagatgt 300
 ggtcgaagtt cctgactccc ccgaggagag ttatatattt tcttccagaa gaactggatt 360
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 tggcaacttg gt 432

<210> 13923
 <211> 358
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-D3
 <400> 13923

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ggttctttgt ctctagagg aagagcggtt gatgaatgtg ttgatgatat gcaacgagct 180
gaagaactga ggaatgttct gaatgatgca gcancttctt ccanthgaaa tagtanccag 240
ggttctggtg gtggtggctg gagctcgtct gatgaagaag aagaanacgc agatccaatg 300
gatcannatg aagaaggttc tggaagtggg aaanatgaac gtttcancgc acacagna 358

<210> 13924
<211> 503
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D6
<400> 13924

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cgtccaacca cgcgtccggg aaaacgatca atctttgtta tctctcactc ttcctcttct 120
tattttgatc ttcctcactt ctgtttgatt cctaataatg gaacacgagg gcaagaacaa 180
catgaatggt atggagatgg agaaaggaaa gagagagctt gggtaagaa aaggagtga 240
gttaactatg agagtgttgg ctttgatcct aacaatggcg gctgcaacag tacttggtgt 300
cgcaaagcaa acaaaggttg tgtctattaa gcttattccc actttgcctc ctcttgatat 360
cactactacc gccaaagcct ctacttgtc ggcatttggt tacaacattt ctgtgaacgc 420
tatagcttgc ggttacacgg cgatctcgat agcgattctg atgatcagca ggggaagaag 480
aagcaagaag ttgttaatgg tng 503

<210> 13925
<211> 438
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D7
<400> 13925

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CCAAAGANGG GGC GTGTTCA ATGGGATGAA GCTAATATAG TGGAGATTGA ATCGAACAAA

nnggatttca tggttttcca ggaggtggac attaccanc tgctcaagga ggttaccctc 120
ctcaagggtta cccaccacaa caagggtatc ctccagctgg angctaccca cctgccggat 180
atcctcctgg tgcttaccct gctgcgcccc gtggttatcc tcttgcacct ggaggttacc 240
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gnggcatgat agcaggtgca gctggtgcaa gccgcagcaa gcttatggga nctcaacatg 360
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tgcccctggt caatggnc 438

<210> 13926
<211> 501
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D8
<400> 13926

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ttcttcttct tcttctccga tcagatcaat gctcgagcca ccacaaagct tatttccttc 180
caaggagag ttcttcacac tattgaaggt tttgcttgct gcttgctgctg tagcttttac 240
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ctttaatccc atcgattcag acttggnat ttgtgaanct tgtccaatta atggagaatg 360
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ngatggagaa atcaatgaat caactaagaa attggttggg gtantttgag agaanngttg 480
tgaatcatat gccataatga a 501

<210> 13927
<211> 484
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-D9
<400> 13927

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agacatctga tcaacccgac ccataataac ctttttttgt tggncgcgta atatgttcga 180
gcgcggccat cacactaaga acattcataa aaaaaaatcc acaggattca aagcccttaa 240
gctttgatca tagtctctta aagaggtagt aaaaccataa actagagccc caatttgcag 300
tcacaagcca cctaacacat tagcttctgg tcatttctgc tttatataca catcaagtaa 360
aaaatggtga gaagaagaga angtcttaca ttgccaatca taaaaccggc gcttcccga 420
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cang 484

<210> 13928
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-E1
<400> 13928

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aagggccct tang 434

<210> 13929
<211> 443
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-E3

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 ccaacattct ctctcgattc accagaaacg agttctgtct cgaatccaaa tccaccattg 180
 gcgtcgaatt cgccaccggg actttacagg ttgaaggcaa aacagtgaag gctcagattt 240
 gggacactgc aggtcaagag cgttatcgag caatcacaag tgcttactac agaggagctg 300
 ttggagctct tcttgtctac gacataacca agagacaaac ttttgagaat gtcttgagat 360
 ggttacgtga gctaagggat catgctgatt ccaacattgt tatcatgatg gctggaaaca 420
 aatcagac 428

<210> 13932
 <211> 483
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 13932

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 ccaaaacctt ggagacatag ggaaaaacgc aganaagtan atcaagtatg gagttgagga 180
 catagaggcg cgtattaacg agctgttcaa agggactacc acgggaagaa aatgaaggta 240
 acgaacacaa aaatagcctc ttgtaacatc ttcgtaacga accacctgct aaatgaccaa 300
 tagcgaagtc ttgcaggag gatttgtaac atgtattgtg tatectttta gacagttagc 360
 tcagctctgt tgtgttggtg tgtaatggtg tattgtaact gggatcactt tttttgtcat 420
 tgtanaacga gaacaaccgt tgacagancn nncngcccn ntgcncngc ngacnnccct 480
 ttg 483

<210> 13933
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-F12

<400> 13933

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ccctctgtgt gtgattatct tctttggtgt tgttgatgct ggagatctct tattcagatt 120

gatcacgcct gaaaggttta ttaggatttg gcaaaaggat ggatagaatc aacggctctat 180

cagatctctt ctgatttgaa ttctagggcg tttgtttgga agaattcattg cttctttggt 240

tgaggatctt tgtgaaacgc tgggattttg tgttctagac ttctaggggt tttgaagcaa 300

gctgtagcat aaggaaaatt ttgagaatga aagggtgaaag agaagttaag aatgggtgttt 360

ctgaggaaga gagagaagtg aagaggaaga gagtgatgga acggtctgat tcaccacctc 420

caccacta 428

<210> 13934

<211> 508

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-C4

<400> 13934

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cgtccaacaa nacacaaatg tcttgtaatc cttctcttan ctttctcctt gtgattcctt 120

tttatattcc tctgatattt tctctcagtt tgatctcatt tgctctgcaa tggcgaggac 180

catgaatgct gctgtttctc tcacatcttc aaactcttct tcgtttcccg ctacaagttg 240

tgccattgct cctgaaagga tcagggtttac taagggtgct ttttactana aaagcaacaa 300

tgtagtgana ggtaaaagan tgttttccat anangcacia atcacacag aaacatatac 360

tcctactcct gcaaagaaga gtagagaaag tgtcaaatga anaacgagga aggtgtgatt 420

gttaacaggt acaagaccan tagagcctta nactggaaaa tgccttctca acaccaanat 480

cacngctgat gatgctcctg gagaganc 508

<210> 13935

<211> 533

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-A1

<400> 13935

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aaaaaanaaa ggcantttctc ttagtntngc nacttgtctn ncanancccg gggcccaccc 60
aacgccttca aaacaaaanc cttcaagtan ngagtgggtga atcggaataat gtcgcagtct 120
tccgtcgata taccgcaaaa aggtgggttt agcttcgac tgtgcaaaag gaatgatatg 180
ctgacacaga aggggtcttaa agcgccgtcg tttctcaaga ctggaacgac tatcgttgga 240
ttgatattta aggatgggtgt aatacttggg gctgatacac gggcaactga agggcctatt 300
gtggctgata agaactgtga gaagattcac tacatggcac caaacattta ctgttgtggt 360
gcaggaaccg ctgctgacac tgaagcagta actgatatgg tcagctcaca agctgcggtt 420
tcatagatac caagactggg ccgagantct cgagttcggt actncantt accccttctc 480
aaaanacatc ntttcaagcc taccaanggc cattgtctca acctgcctcc ttg 533

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<210> 13936

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-010-Q1-E1-A11

<400> 13936

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gcaaacttgt agagatgtcc atcctatcag caaccaaaag ccatgggagc gaccatgtgt 60
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ggaagatata caagagggtc ttggctcttc ctgggtccag tcttgttcta tacaaagggt 180
gcattgaaat agagaccaac ctcatatcag taggtgataa agatgggtctc agtaatgccc 240
ggaagctgta tgattctgct gttgcaagtt acgggtcaaga cgtggagctg tggaagaatt 300
actactcatt ggagacaaag ctgggaacat cagagacagc caatgggagt gtattgggag 360
tgcgagaaaag actctgaatg aatccgcgga ttcatagttt gatctccgaa ttaaaaggta 420
gtccaatatt 430

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<210> 13937

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-A6

<400> 13937

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 cgtccaanga gagatctgtg acattaatgg aacctgtgtg gatgctgcgg aagatgagtt 120
 tttcagggtta acgacaaaag aagggaatt gacagttgaa agagagactt ttaggacacc 180
 aacagctgat ttctcgccga tcttgcnatt cgagcaagac cctgttcaga ttcttgatgc 240
 tttgttgccct ctgtatctta acagtcagat tcttagggca ttacaggagt cattggctag 300
 tgagcttgca gctagaatga gtgcaatgag tagtgcttcg gataatgcat cggatctcaa 360
 gaaatcgctt tcgatggtgt ataatagaaa gcgtcaagct aagattactg ggagagattc 420
 ttgagattgt tgcctggagct aatgcacagg tttgatttgt tttgaaccct ctttngaate 480
 ntctatatga gtccaaaaac tctct 505

<210> 13938
 <211> 339
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-A7

<400> 13938

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 aaagacggag aagagctttg gcaaaagccg aaaccgggtc tggtaaactt ttatctgaat 120
 gtatatgtat ataatgtttt agagtagtag taagtaatat agtgtaacta tttcttgggg 180
 aagtccattt ctacttgctt ttctttttat ctgcatttgg cttttggttc ccaaaaactc 240
 ttatttctgt tgtacattca tgtctgaatt taataacctc ttcttcaaga aatggctttc 300
 actcacaaaa aaaaaaaaaa aaaaaaaaaa aaagggcgg 339

<210> 13939
 <211> 497
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-A9

<400> 13939

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aattctctgc gatttccatg gagttatctc ttctccgtcc gacgactcaa tcgcttcttc 120
cgtcgttttc gaagcccaat ctccgattaa atgtttataa gcctcttaga ctccgttggt 180
cagtggccgg tggaccaacc gtcggatctt caaaaatcga aggcggagga ggcaccacca 240
tcacgacgga ttgtgtgatt gtcggcggag gtattagtgg tctttgcac gctcaggcgc 300
ttgctactaa gcacctgat gctgctccga atttaattgt gaccgacgct aangatcgtg 360
ttggaggcaa cattatcact ccgtnaagag aatgggtttc tccngggaag aaaggtccca 420
aatagttttc aaccgtcctg attctaattgc cnnantang gtnggtaaatt aagtngtttt 480
gganggantn attttgg 497

<210> 13940

<211> 430

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-010-Q1-E1-B10

<400> 13940

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tttatctcct aaacccaaaa acaacgattt cactgtcacn gttgtcaagc tcgaatcaca 120
ctagccgaga cgatggcgag accatcgatc gccacgtgtg atccaagcgc acgaccttgt 180
ttagcgacgc gtggctcact tcctcgtagc cgtacatgcg cgccgctttt attcctctgc 240
ctcctcctag gtttaacggt cttttgtgcg gacgcaaate cttctgactc gaagcttctc 300
tgctcccgtc ntcttccatg tgagccttct attganatgg gtgagacant gtnngaattcc 360
tgtggganac tcttggnacc ggaaagtgag tggttccttg cngtaagatt aannctttga 420
cgnagttant 430

<210> 13941

<211> 471

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B11

<400> 13941

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gacacaagat cacaacagan aatattatat ccaaangcat ctcttgagta tgcacgacgc 120
catttgcaag gacaangtga acgttgccgg atactttgtg tggcttttga tggacaactt 180
tgagtggcaa natgggtnca aggcgaggtt cggactttnc nacatcgatt tccacaacaa 240
cntgacctgt caccanaaag ttctgggcaa ntggatttcc gaattccnca aaccacagtt 300
tccaacctcc aagctgaggg aagaactcta gatgatcaag aatcctatcg ggacataata 360
attgagtaca agantcntga agatgttgtt gaggataata tcagttttgtg tgttctatgg 420
attcntttca tctaccgggtc ctctctacgt tagaangact tgnacttgt t 471
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<210> 13942
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B12

<400> 13942

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accacagcg tccaaacaag aaaccatgaa actttctctt catcaaccac ttctcttctt 120
cttcttagcc agcgtcctcc cattaatcct gaccgtccat tctcaatcag acgactcaga 180
tttcatccgt actagctgca acaccacatt ataccctgac ctatgcttct cttctctttc 240
ctccttctct agctctgttc acaacgatcc agccctcttg gctcgagccg ccatctccgt 300
cactctcacc aagactctcg acttagcctc ataccctgcc aatatcacca ctctccagcc 360
agagagcaac gaagatgggtg ctccaccacc aaccgcagcc gctgtttttc acgactgctt 420
cgacaatctt aaagacgcgg tcgaagaaat gaaangctcg atgaaacaga tganggaagc 480
tggtctcgac tgggctcgct cgaatt 506
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<210> 13943
<211> 56
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B2

<400> 13943

cgttgntgac caacagacgt aggcncggt agcttctctt caagcgcccc tggtagg 56

<210> 13944
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B3

<400> 13944

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tctataagtg caattatgga ttcccatctt aaatatctta agcttgtatg tttcttctct 120
tattttgcat ttagagatgt aaccaagtgt gaccaactaa gggaaacatc agtacctcgt 180
tgtactcctt aatgtggtct ctttgttctc cagggttatg atctattaag tcaattggag 240
ccttacatcc atcaggtatt gacatacgca caacagtcaa aagaacagtc taagattgaa 300
caagatcgat ttgcacaacg cattcaagaa ttcaggactc aatctgaatt agacagccaa 360
caggcctctg ctaaagcaga ttctccgat gttggtggaa ancatgttta tanagctatc 420
ccccgttaa acgttnnaanc aa 442

<210> 13945
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B6

<400> 13945

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cgcgccant tttgctcttg gctgattcgt tggagcttga tctctccgtg gaaatgggtg 120
gtttccggtt tcaccagtat cagggtggtt ggagagccct cccgacagag aacgatgngc 180
accctaagat ctacaggatg aagctttggg gtagaaatga agtatgcgcc aagtccaagt 240

tctggtactt catgaggaaa ctgaagaagg tgaagaaaag caacggacag atgcttgcca 300
tcaatgagat tttcgagaag aaccaacga ccatcaagaa ctacgggatc tggttgcgtt 360
atcagagccg aactgggtac cacaacatgt acaaggagta ccgtgacaca acactcaatg 420
gtggagtgga gcagatgtac actgagatgg cttctcgtca tagagtgagg ttcccttgca 480
ttcagatcat caagactgcg actgt 505

<210> 13946
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B7

<400> 13946
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gtttgttttg gattggtttg gtagatgaag ttggaattca cagcannnga actacactaa 120
acttgtcaac attacctgtg gctataggac tctatggta ctgctactca ggacatgctg 180
ttttcccaa tatttatact tctatggcca aaccatctca ataccctgct gttctcttga 240
catgttttgg tatttgtact ctgatgtatg ccggcgctgc tggtatgggt tatacgatgt 300
ttggagaatc aacacagtca cagtttactc tcaacttgcc tcangattta ntttgcaact 360
aanattgctg tgtggactac cgtggggcaa tccatttacc aaatatgctt tgaccatatt 420
tccagtagca atgantcctg ag 442

<210> 13947
<211> 84
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-B8

<400> 13947
ngtcacctca gaagcttctt caaacctcat cctctgctga ngaaaatgta caaggttggn 60
tgaccatgtt gcctgtgcng ttgc 84

<210> 13948
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-010-Q1-E1-C12
 <400> 13948

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 atccagagtc agagaaaatc tgtgatggct ctttccaacg cctcctctct ctccaccaga 120
 tctatctacg gcggtgatct ttctcaccgt ccaagcaacc gtcaatcatc cttcacattt 180
 catcccgccg tcaacaccaa gcctaaatcc gttaacctcg tcacggctgt acacgcggct 240
 gagccagcta gaaacgctgt ttcagtcaaa gaatccgttg cgtcttcttc gtctgggtgca 300
 ttgaaatgga ctccagagag ctggaaaactg aagaaggctc tgcaacttcc tgattatcct 360
 aacgccaatg agcttgagtc tgtgcttaaa acgatagagg cttttcctcc gatttgtgtt 419

<210> 13949
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-010-Q1-E1-C3
 <400> 13949

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 ttgactcgtc ttcttctctt cttcttctct ctctatcact gcatttggtt ttcttcacag 180
 cgaaccttga gatttgatta gatggggaat tggttgggca atccgagttc ggctacgaac 240
 cagagtaaac aagggaaacc caagaacaaa aacaatcctt tttacagcaa tgaatagct 300
 acaacagata gatctggagc tggttttaag ctctctgtgc tgaaagatcc tacagggaca 360
 tgatatatcc ttgcagtatg atcttgagc tgaggttggt cgangcgagt ttggtataac 420
 ttacttgtgt actgataang aaa 443

<210> 13950
 <211> 416
 <212> DNA

<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-H6
 <400> 13950
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 taagcgcagc ctctaagaat tattcttttg gnaagtcttc atcagtgatg aaaactcttg 120
 cagtcaatgt tgatgatgcc atggacgata ttgtacgtca gttcaaaggt gtctcagatg 180
 gccttatgcy caaggttgta ggatctccac ttgatgaaca tgatcatgct ccnaccgccc 240
 acctctcctg nagtgtaaatt ganntaagca ctacgtcttc tagggaaagc gcaactgaat 300
 ctatgcacag cagcatttct gngactgaan gacatcgaca nacttgagn anaactca 360
 nnnnggaagg tanatttgat tcanangecn atgggtggga cacnggataa ggaatt 416

<210> 13951
 <211> 507
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-F10
 <400> 13951
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 cacgcgtccg aaaaatgcat gtatccataa ttttcgtctt caacgtcttc gtcgtttcat 120
 atccaaatcc atgacaaaaa cgatgccgga tgctaattct cttgacctcc gtcgacgctc 180
 gggcaactat caaccttctt catgggacca tagttatctc ctctccatcg agaacaaata 240
 tgtgaatgaa aaagaagtga taactagaca tgtgttgaag aaaaaggatga agaagatgct 300
 agaggaagta gagacgaaga gccgtctcga gaaattagag ctcatcgatg atttacaaaa 360
 gcttgggggt tcgtatcatt ttgagcaaga aataaataac attttgacaa attttcatct 420
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 cgaattcccg actcctaaac aacatgg 507

<210> 13952
 <211> 490
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-009-Q1-E1-F12

<400> 13952

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ttacatagat ttgcacagga agaggaatgg atatcgctc gaccacttcg agagaaagcg 180
caagaaggag gcgcgtgaag ttcacaagca ctccaccatg gctcaaaagt ctctaggtat 240
caagggtaag atgattgcta agaaaaacta tgctgagaaa gctctcatga agaaaacatt 300
gaaaatgcat gaagagtcac catcaaggcg taaggctgat gagaatgttc aggaaggagc 360
tgttctgct tatcttcttg atcgtgaaga caccactcgt gccaangttc ttagcaacac 420
cattaaacaa aanaggaaag agaaagctgg caaatgggaa gtccctcctc caaangtcct 480
tcaattgctg 490

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<210> 13953

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-009-Q1-E1-F2

<400> 13953

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acaaggagac aagggttgag tcgaccaatc attgantnga gctagagaaa tctgggtaca 180
attcaatttc agatgagggt ttcaaaancca cagaagatga atgttcaa atgcataagaa 240
gctgtgaatt ttcttcnttc gtttttgtcc aatgggaaca atggnacaat tgggaatcat 300
gggaaaatth ggagccatgg cacaanacca gtaanttaac cagatgatca tggataaaca 360
atcagtacaa gaatggctat cgcncgtcaa ctcgctaata ncatccgtcc tcancaaggc 420
aaganacggtt aanangtttn caggaagat 449

```

<210> 13954

<210> 13956
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-F9

 <400> 13956

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 aatttattaa taaaaaaaaa taaaaagaag cagaaaagag ataatgcagg gtggtaggct 120
 tttgacggtg ttggtgtgcc tcgcctccac ggtggcggtg gtgagcgccg gtgaccctta 180
 ctctactac acgtggaacg taacctacgg aaccgccgcg cctctcgga ttcctcaaca 240
 ggtgattctc atcaacggac agttccctgg tcctaacct aactcaacct ccaacaacaa 300
 tgtcgtcatc aatgtcttca acaacctcga cgagcctttc ctcttgacct ggagtggact 360
 ccagcacang aagaactcat ggcaagatgt gtgactggga actcatgccc aatcccagca 420

<210> 13957
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-G11

 <400> 13957

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 gtcnaagag agaaggaggg agagaaggag cttagtggtc tcattaccat taccagctcc 120
 atacgaaccg aaacgacgcc gtctgctcaa cctttttctc tgcaatctcn ctctctccca 180
 cgagttttctc agctttttctc ggatcatcta attaaganag gagatcttgt ctcacgggtg 240
 gattgatttt tctcttcacg aagatcgtgt tccaggcaat taactgcaga aaatgggtgat 300
 gtgggtcttt ggctatggct ctcttggtg gaaccagga tttcactacg atgagaaaagt 360
 gttaggtttc atcangggat ataaacgtgt cnttgatctt gcttgcatg atcatagagg 420
 tacaccagaa caccctgcaa gaacttgcan cctccaagaa agctgaagaa gccatatgct 480
 ggggtactgc attctgtgt 499

<210> 13958
 <211> 493
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-G2

<400> 13958
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 gattttctcag ttatggaaga agagttcgag gagatgatcg catcgtctga tgggtggatcc 180
 atggctgata cagttacaga agcagatgtg gctagttatt tgaagatgct tttgaacata 240
 gcggagtcta cgaaagagaa gatttataga tcgaaggttt cgtcttggtc accaaagtat 300
 aatcagaaga agtacatgaa tccgaacttt aattgtcgcc ggaatcatca tatctatcag 360
 ccacggtgaa gcttctagaa ggaacaaagc tcttccttct tcttccttcg agatgataat 420
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 aattcngtga ata 493

<210> 13959
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-009-Q1-E1-G3

<400> 13959
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 ccttttggtgg caaacacaaac gacagatana nagaacgat ggcgtcgaac tcgcttatga 120
 gctgtggcat anccgcgctg tacccttcgc ttctctcttc ttccaagtcg aaattcgtat 180
 ccgcgggagt tccatgtccc aaacgcggg aatgttggtc gtntcagaat ggctgctcan 240
 tggatgcntg ncnagccacn accancttac cttgacgggt ctgctcctgg tgacttttggg 300
 tttgaccac ttggacttgg agaagttcca gcganccttg agagatacan agagtcagag 360
 ctcacccact gtanatgggc tatgctcgct gttcctggga ttttgggnacc agaagcanta 420

aga

423

<210> 13960
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-G4

<400> 13960

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ggcggatatca gcaaatggga cggcgtcaag aacaaacaag ccagaagaa tcttaaattcc 180
atgacttttag gagatctctg tttcttctac cattcaggaa ccaaatcaag atgcgtcgtt 240
ggcgtgggtg aagtatcacg tgaatggtac actgatgatg ctgaangagt agaaggagaa 300
ggagcgggtg atgtcaaagc gattggagaa atgaggaaat gtgtggattt gaaggaaatg 360
aaaggagaca aagggtattat tactaaaggt tttgttttgt ttagacagcc gangttgtct 420
gttgttcctg ttgaggaaga tgtttggaat atgatttgtg aantgggaaa tgggttttgt 480
ggnaattgnt ngggag 496

<210> 13961
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-G9

<400> 13961

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cacgcgtccg aaaattagta gtcaagcaaa acaagatgc accggcacgt atcatatatg 120
gcaaagagct agccgcagca tatactactg gccggtatta aaaaatgtaa ataactaaca 180
ntcatattta tttttcttta ttttaaaagc atattttatt tgtcgtgatt atgttaatta 240
gatttcaaat ttatatattt tcacatagac caattaacaa ctacaatgaa atacttgata 300
acacataccc cgatgaagta gttttttatt gaataaaaaa aacaaattga actgggtgtag 360

aaaacttgtg aataagagag tttaacattt tgtcaaaaaa aaaaaagaag aagagagttt 420
aacatatttt ttttcggttt taagtttagt taacattttt catatccaaa gttatacnct 480
caaaattata accaacacgc cttaca 506

<210> 13962
<211> 491
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-H2
<400> 13962

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gcaaattaga gagatttctc cttcaataac aaaaaatcgc cagctttatc tctctctttt 120
tcacatccca tggctagatg gtgacgacga ttcacgcata anntaggggt cccccacaaa 180
tcattcttaca cgtatcctct attccttccct tcctttctcc gtcattcatca tttttccac 240
cgacaacaat ctctcggagt ttggatcaat aatggcggtg aagtctagtt ctgctgatgg 300
taaaaccaga agctctgttc agatcttcat tgtgtttaag tttatgttgc ttcntttaca 360
ttttgggagc atggcaacga agtggttttg gtaaaggaga cagtattgct cttgagatga 420
ccaacagtgg agctgattgc aacattgttc ctaagcttga atttcgagac tcattcancgc 480
ngggaatnaa g 491

<210> 13963
<211> 422
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-H3
<400> 13963

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cgatgatgat aacgacgcta ctaatgctcc gatccaaatt gacgatgac aaaccacat 120
tgacggcgat cgaacaacgg cgacgaatac tggnggaaca acaacaccag cgattactac 180
tacggctgct aagatctcgt caccgctcaa gatcttcgtc gtgttctatt cgatgtacgg 240

<400> 13966

gntggngnaa ttccacgctt ntcggtgccg gtcataaatt caanggggtcg acncacgcgt 60
ccgaatctct ctgtatcttc tcttgagtgg agcgaatata caaaagagtt ccgagtttct 120
ttcatccttc acgagcttat actttttctt ctccattcgt ttgtttttta cgatcaaaaa 180
caacggcgaa ggtattggaa ataagacaga agctgttagc tctgtttctc catgggtgtca 240
agatcttggtg ctaattttct agacttatca tcttgggacc ttttagattt tcctcaaact 300
ccacgaactc ttccacgcgt catgactgtt ccgggaatca tcaccgacgt agacggtgat 360
acaacctccg aagtaacttc tacctccggt gggtcacgtg agaggaagat cattgtagct 420
aacatgttac cantccaata taaaagagat gcagaaactg gtaaagtgtg ttttaactgg 480
gacgaagact ctctctg 497

<210> 13967

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-008-Q1-E1-B4

<400> 13967

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tagatgtgga aatcaaatct acggctgata agtttttcat gttctctaga agatcacaac 120
atgcctcaa agccactcgc tatgtacagg gatgtgatct gctcgaaggc gagtggggcg 180
aagttggaag catactcttg tggaaattaa ctgttgatgg agagccaaaa gtgtcaaagg 240
atatgattga ggcgattgat atgaagatga atatgatcca gtggaggggtg ttagagggac 300
ctctgaagga agagtacaat attttctcga aaacgatgaa agtaagccct aagcaaggag 360
ggtctggaag tgtgggtgaag tggaacttga agtatgagag aattgatgag aaggtggctc 420
acctagagan g 431

<210> 13968

<211> 499

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B5

<400> 13968

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acncgtccgt ttctcgtcaa tctcaatcaa tggcttcnga agatactctc tctcgaatc 120
ctctattgca naattttgac ttccctccgt ttgactccgt tgatgctcac catgtcagac 180
ctgggattcg tgctctgttg cancagctcg aagctgaatt ggagcancta gaaaaagctg 240
tanagccttc atggccaaaa ctagtggagc cattagagaa gattantgat cggttatctg 300
ttgtttgggg aatgatcaat catcttaagg ctgtcaagga cacacctgag cttcgtgctg 360
ccattgaaga agttcagccg gagaangtga agttccagct cagggtggga cagagcagan 420
ccatttaca tgcatttaan gctattccaa gaatctccag actggaattc atttgagcga 480
aagctcgtca acgattaat 499

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<210> 13969
 <211> 262
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B6

<400> 13969

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gcggacgcgt ccgcccangc gtcgcgtgag tctttcttgg ttcactttcc ttaaacacna 60
tttgacatng atgcaatttc atctcttggg accaattgtg ttctttctgg ggtttctcca 120
ttttcacaat agaatcaatc aaaatcgaaa ctttctccgt ttangagtct tgatttgaag 180
gaananccaa tggcttcagc anatttcaen aaccaaacct taaccgcttt ctcttctcgc 240
tctgcgtctc cttttcaggc aa 262

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<210> 13970
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B7

<400> 13970

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 acccacncgt ccgcaataag cagcatctct ataatcccta agattcaciaa tggagcttgg 120
 aggaaaatgc aatgcaatta caaccacaac aatgatctca acagaagtaa agccacatac 180
 ggatccggaa ccagaagcca aaccogaatc agatccatcc atggctttat tcccgatcaa 240
 gaaagaaaac caaaaaccaa agacacgtgt cgaccaagga gctaagtacc gggaatgtca 300
 gaagaaccac gcggcctcaa ccggaggaca cgtggtggac ggatgctgcg agttcatggc 360
 cggcggagaa gaaggtacac tcggtgcttt aaaatgcgcc gcctgtaact gtcaccggag 420
 cttccaccgg aaagaagtgt acggacacag gaacagtana caagatcatc agctgatgat 480
 aactccggcg ttttacagca gt 502

<210> 13971
 <211> 356
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B8
 <400> 13971

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 cttgcttacg attatcgtca aagcagcgac gtatcctttg actagggcaa cagggtgaat 120
 caacactagc natncaaaat cttcaaccga aaatcanagc gattcaacaa cgttacgcag 180
 gaaatcagga gaggatacan ctagagacat cgcgattgta taaacaagct ggtgttaanc 240
 cgttggcagg ttgcttacca nctttagcan ccataccagt ttggattggg ttatacnang 300
 ctctctctaa cntggccaac gagggantgt ttacacgaan gtttcntttg gattcc 356

<210> 13972
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B9
 <400> 13972

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gtccgcgtgg aaccacatcc tctttaagct cactagctga ttgatatcgt cttatacctt 120
 tggccgtttc gtctctctct ctctcgttta attacttgta cctatcaact cagtgatact 180
 ctcgcttctg agagagaaga gagaaagcga agctcgtttc gtatcgctctt ctttctcttc 240
 atccgacgct ggattcataa gggcattgat aattggactt gttggttaag atttgaatca 300
 acctggagct atgtcgagtt ttaatctgag tgtagatgtg aatcagaatg ggaatatcaa 360
 gaatgttgat tctttatcta cattggacga tattgatgac attgattttg ccaagttgct 420
 agagaaagcn angggcattg aatattgata gactgagatc acttgacgaa aggtccctta 480
 cngaanaac tggttt 496

<210> 13973
 <211> 110
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-C12

<400> 13973
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 atcactctat cgagttttta natctatcca caagtcttga ngctgaacga 110

<210> 13974
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-C3

<400> 13974
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 tgcagctcga aacttaattt agaatcatac ctttttctgg atttggctga cgaatccgtt 180
 ttcaattgca cgagttgctt cgccaggttt atcaacttaa gaatgtctaa ttatcaaggg 240
 gatgatgctg agtacatgga agatgtggat gatgaaatgg atgaggatga tttagatgag 300
 gattttcgtg gggatgatat ggctgcctct gattccgatg tcgatgagtt tgactactct 360

aataataaaa tagctgacac ttcagctgac caagcccgga aagggaaaga catccagggg 420
 attccttggg acangcttag tattacgaga gagacatata gacaaactag actanaacag 480
 tataaaaaatt 490

<210> 13975
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-C4
 <400> 13975

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 cgtccgagga aaaagaacga tctagaagaa agaaaaaaaa aggaaaagaa acccttatgg 120
 aggttccac accactctat atataataac atccttctcc taaatccgc atcagtactt 180
 ctctctgctc tcaagataat tttgttctct caatttcatt cttaaaccct agttcttcga 240
 ttttttccga tctacgacaa tggcggacgc tgaaaccttt gctttccaag ctgagatcaa 300
 ccagttgctt tccctcatca tcaatacctt ttactctaac aaggagatct tccctcgtga 360
 actcatcagt aactcttctg atgctttgga caagattaga ttcgagtcct tgacggacaa 420
 gagcaagctc gatggtcagc ctgagctctt cattcacatc attcccga agactaacia 480
 caccttgacc attattgata gg 502

<210> 13976
 <211> 70
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-C8
 <400> 13976

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 ataccatgat 70

<210> 13977
 <211> 276

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-D10
 <400> 13977
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 gatatctctt gttgcagagg gaaattatca acaagtatct gcagctgagg ctatagttga 120
 tatttctaga aagtctgggtc gagaaactgc tgcttgatc acttccttaa gcaaaaatct 180
 actttgggtc gccgacattt ctctctcggt tgctgaggac aacacaatag acacattgca 240
 gctgacagaa nagaagctan agganacga nacnna 276

<210> 13978
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-D12
 <400> 13978
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 ctnatgaang ctcaaggatt gattcatgaa gcatacagtt gttaccttga agctgttcgt 120
 atacaaccaa catttgctat tgcattggtc aatcttgctg gtcttttcan ggagtcaggt 180
 gatctcaaca gagcccttca ntactacaag gaagctgtga agttgaaacc tgcattcct 240
 gatgcatatt taaatttagg aaacgtgtat aaggccctcg ggagacctac tnaanchatc 300
 atntgttatc agcatgcctt acacatgcgg ccaaattctg caatggcatt tgggaatata 360
 gccagtatat actatganca angtcaacta gatttagcan ttcgacacta chatcatgct 420
 ctctcccggt atccacgatt tttgggaggt ttagaanaac gtgggtaatg cattnaacga 480
 ta 482

<210> 13979
 <211> 496
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations

<223> Clone ID: LIB25-008-Q1-E1-D2

<400> 13979

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aagattttgc aagttaagtg taaacctaca aaaaccaaac atggtgggtt tgccacagcc 180
agtcacttta gataaccaca tctccctaata cccacatac aaaccgggtc cggttctcac 240
ttccattca atccccgctg tcaacctagc cgatccggaa gcgaaaacc gaatcgtaaa 300
agcctgcgag gagttcgggt tcttcaaggt cgtaaaccac ggagtccgac ccgaactcat 360
gactcgggta gagcaggagg ctattggctt cttcggcttg cctcagtctc ttaaaaaccg 420
ggccggtcca cctgaaccgt acggttatgg taataaacgg attggaccaa acggtgacgt 480
tggttgatt gagtat 496

<210> 13980

<211> 488

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-008-Q1-E1-D5

<400> 13980

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gatcctccac aattatccca ccgacgaatc ctatcaatct ctctagatag cagcaaatca 180
gtgtcggaa aaacccgacc cgttttgagt gatttgacga atcttccaaa gaaaagaggg 240
atttcatcga ttttgggtga tttgcttgat gaatctggta agaccgttgc tcatgaagtt 300
tcaaaagaga agttttcaaa gaggttggtg ttagtcgtag atgatttggg taaggaaaat 360
gctacacctt tggatacaat tcaagggtct tggtcggttg ataagaatac ttctgggtgat 420
gctgttgaca aagaagagta tcatgatgct gtaatggaat tctccagtgg agattgcaaa 480
gcattgaa 488

<210> 13981

<211> 501

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B11

 <400> 13981

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 aaaatccaaa ttctaaaatt ctaagaaacc actctaataca catcgctcta tcgatcaaaa 180
 tcgaaaccct tattcaaaaa tctcttattt tttccatttt tctctcaatc atctgaatcg 240
 gttttgagat gagctccgat tcaccggcgg ctggagacgg tggcgaacaa gccgctgcgg 300
 gaacaagcgt gccttcacct tcatacgana aacagaagga gaaggcacgt gtgagtagaa 360
 catctctgat actatggcac gcgcancaaa acgacgcagc tgcagttcgg aaactcttgg 420
 aggaagatnc ggacgttggg tcacgctaga gactatgaca aaacgaangc ctcaccacgt 480
 ggcgctcgctt catggaaggg a 501

<210> 13982
 <211> 371
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-G1

 <400> 13982

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 ttctcatggt taatcgggtga aggctttact ctgtttcttt catcatgttt caatcaaaag 180
 ccttaacttt ttcttttagct ctttccatta caagagacct ctagcttcat actttttana 240
 ananttctct ctttttctca gtttaagtct caaganatgg tttcaagatn gtattcagat 300
 ctgttggagt tagcttcang agactcacna acgtttggac gcatgaaacc tgananatcc 360
 ncacgannnc a 371

<210> 13983
 <211> 480

<212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-G3

<400> 13983

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 tcgtccgacg cgtgggggan cctaaaaaag cttectttttt gggacgaagt ttcttngana 120
 atttgtgatt ccgattctta nggtttttcac caagcggttcc ttcgcgacga gctctcaatt 180
 tttgaggtta ttgatttctt cttctgatcg aattttccgt atctgctagt gaattcttct 240
 ttctcagctc agggtttctc aattctccgt tctcgatctc ttgatacgat cgatctttcg 300
 aattgaatcc atttgtcaat ttttcggttc antctcnttg gcggcgcaat catcatagac 360
 tttgggggat cgcttgtaat gngacgaatt tcacngtttg gtatctttta cttgcctgaa 420
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<210> 13984
 <211> 285
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-G4

<400> 13984

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 aggtttcaca tgcccatggg gaggtggtct tctcaatgag gtcttcnctt tggagttggt 180
 cgactttctc gagagcaaga ttatantggg ttggattcat tcttgaagg cttgcttntg 240
 ttggatgaca tcttcattcn tcttgaatgg taannanang aacaa 285

<210> 13985
 <211> 486
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-G6

<400> 13985

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cacgcgtccg cttcttccta gattccagcg acttaacaac aacaacaaca acatattctc 120

tgctgggtat tagattcgaa tttctctttt tgtgatcaga aatggatcga gctccggtga 180

ccacaggacc gttggatatg ccgattatgc acgacagtga tcgatatgac ttcgttaagg 240

atattgggtc tggtaatctt ggtgttgctc gtcttatgag agataaactc actaaagagc 300

ttgttgctgt caagtacatc gagagaggag acaagattga tgaaaatgtt caaagggaga 360

tcattaacca caggtcacta aggcaccta atattgtcag atttaaagan gtcattttga 420

cgccgactca tctggctatc ataatggaat atgcntctgg cngtgaactt tacgagcggg 480

attnca 486

<210> 13986

<211> 486

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-007-Q1-E1-G8

<400> 13986

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cacgcgtccn ctttctccga tcgccgggta gcagattcaa gcgagatagc agatccgacg 120

agcagatctt ctgcttaatc tgtanacatg cctctcagac tagatatcaa gagaaagttt 180

gctcaacgat cagagagagt caaatctgtt gatctgcac ctactgaacc atggattcta 240

gcaagtttgt attctggaac cgtgtgtatt tggaactacc agacacagac gattacaaaa 300

tccttcgagg tgacggaatt gccagttagg tcggccaagt ttattccgcg caagcaatgg 360

gttgtggctg gagcggatga tatgtacatc cgtgtatata attacaatac aatggacaag 420

gtcaaagtta nttgangctc aatcngatta cattaggtgt tgnagntgtc aaccgaccct 480

tccatt 486

<210> 13987

<211> 500

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-H10

<400> 13987

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 tgagaaaggt cagataatca taagtactcc tgagaaatgg gacgctctgt cccggagggtg 180
 gaaacagaga aaatatatcc agcagggttag tttgtttatc gttgacgagc ttcatttaat 240
 tgggggtcaa ggtggtcaag tggttgagggt aattgtctct agaatgagat atatttcaag 300
 tcaggttggg aataaaatca ggattgttgc attatcaact tcccttgcaa atgccaaaga 360
 tcttgagag tggattgggg ccagttcatg tggcgttttt aacttccgc ctaatgttcg 420
 tcctgtcca ctggagatcc acattcatgg ggtggacata ttgagttttg aagccangat 480
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<210> 13988
 <211> 90
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-H4

<400> 13988

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 gctanccgaa gggttttacc tggaacgana 90

<210> 13989
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-H5

<400> 13989

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gagatgttgg gctcaatcaa atagctctgt ttgaagggaa ggttgctggg gggaatggg 180
aacaggttct tantcgagat gtatacagac ttggccagct ccttgatttc ttccgtatga 240
tgtcattctt ctttacaacc gttggcttct atctatgtac aatgttgacg gtgcttactg 300
tgtatatttt cttataaggg aaggcatatc tggcactttc cggaatttgg agctactaat 360
cgagaaagaa ncaatcctcc tgggacgata ctgcacttaa ccccgcttg a 411

<210> 13990
<211> 484
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-H7
<400> 13990

gnnnntngng catttcnang ccgntcggta ccggacacna attcncgggt cgaccacgc 60
gtccgcggac gcgtgggcgg acgcgtgggg ttcaacattt ggcggagtca aagaaacaga 120
gtgattctct gatccgattc cggcgaaaga ggacgaaaca aacggaactt gttcatcatc 180
ttctccagaa atgacgtcgt ttcaggatgat gcgttcttca aattcgagaa actcggatct 240
atctcgtcgc atctcttctg cttctacttc ttcttcgtct ataagacctc aacaacagtt 300
ccggcgagat ctaacaagtg tcggttacgg cggaagaaac gacggattat acagttcaaa 360
ttcgatgacg gtcgaaggga ttttacacga tactttcgca tcaagatcca ccaagcacca 420
acggaatctt cactccttaa atgcgtcgat aaatctgatg gatgcttctc caacaacaat 480
ggga 484

<210> 13991
<211> 491
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-A1
<400> 13991

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gccacgcgt ccgcccacgc gtccgctaaa cctagaaaaa cgaaaacaca cgcggagtgt 120

ttgttcctcc tctacggtaa cgggaatata gtagttattg taattttgga aagctataat 180
 ggcaagaga gagattagta gcactctgag aaatctaaag tttatgcaaa ggtcttctct 240
 gaaagtagag aagaagaagg ctgatgaaga agagcctaata gggagttttc cttcccttag 300
 gactgttgca aagaagtgtg tggtcataac aagattggga tcctcagcca ggagcattgt 360
 taggacgcat gtcttttcag tctttcaatc cctctatcga gaaattacat gaagaagcaa 420
 taaacggtgg gaaatccctc aagctctaac aagtaatgga ggaaaaaaag tcnttttagtg 480
 aaccgggaga g 491

<210> 13992
 <211> 116
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A10
 <400> 13992

catctggant atcacnaagt tctccaggcn tgaacaccag gaagcattac tccgatgtat 60
 ttgtcgttgg aggttacaaa tggcgcatat taattttccc gaaaggganc aaangg 116

<210> 13993
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A11
 <400> 13993

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 ccncaaaatc ctctaataac aactaacgag gttaacggaa ttaaccgga ccggtttcgt 120
 gatccgacca ccgcgtggct tggacgtgac ggagaatggc gagtaatcgt cggaagctcg 180
 acggacgacg gacgaggatt agcgattctt tacaaaagca gagatttctt caactggacg 240
 caatcaatga agcctttaca ttacgaagac ttaaccggaa tgtgggaatg tcctgatttt 300
 ttcccgggtt cgataaccgg atcgacgggt gtagaaacgt cgtcggttgg tgagaatggg 360
 attnaagcat gtgcttaaag tgagtttgat tgagacattg catgaatatt acacgattgg 420

ggaattatga ttgtganaaa ngatgtttta cgtaccggat cntgggggttt tgtgccaaaa 480
 agaaatcagc t 491

<210> 13994
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A2
 <400> 13994

nngtgngna acttctacgc tgntcgggtgc ccgtccannn attcaanggg tgcacgcacg 60
 cgtccgnacg ctttgggagt gaaaaagatt gcagtaccat ccctgcaacc gcttggttgt 120
 ctccctccct tcacattcgt aacctcggtc cagcggttga acgagacaca aaacgcttta 180
 gttaacctcc acaacaactt attgcagcaa gttgtggcaa agctcaataa cgagactaaa 240
 cagtcgactt tcatcatcct tgatctctac aatgctttct tgactgtgtt caagaacaaa 300
 ggatctaatac cagggagtac aaggtttgag agtccattaa agccgtgttg cgtaggtgtg 360
 aagccgcgag tataactgtg gaagtgtgga tgagaaggga gtgaagaagt atattgtatg 420
 tgataatcct aaaactgctt tcttttgga tggacttcac cctacagaag aaggatggag 480
 atcggtttac tctgttttac 500

<210> 13995
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A4
 <400> 13995

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 cgnaagtatc ttaaatgtca taatggacgg tggagacagc gtcggaggag gaggaggaga 120
 tgatcaccac cgtcacctcc accatcacca ccgcctact ttcccttttc aactactcgg 180
 aaaacacgac cccgacgaca accatcaaca acaaccttc cttcctcct cctcctctct 240
 attttctctc catcaacacc aacaattatc tcaatcgcaa cctcaatcgc aatcgcaaaa 300

gtcacaaccg cagacaacgc aaaaagagtt attacaaacg caagaggaat ctgcggtggt 360
 ggcagctaaa aagccaccgt tgaaacgagc gtcgacgaaa gaccgacaca cgaaagtaga 420
 cggaagaggg aggagaataa ggatgccggc gttatgtgca gctagggttt ttcagctaac 480
 gcgagagcta ggtcataa 498

<210> 13996
 <211> 94
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A5
 <400> 13996

ngantaatac cttctcgtcg gctgagattc ccgatgtggc agaccancca cgcgaccgat 60
 ttaaccccgag agctacacag gatctacana agaa 94

<210> 13997
 <211> 173
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-A6
 <400> 13997

ccnaaaaag tacttaaagg tcaaaanttg gngtcgagaa aaagtcaatg gaaaagttcc 60
 attgtcttgc ttctttcgtc ggagggctct ctttgggctt tccgaaaagg tatcacatgc 120
 catgtttggc ctcacggtat anaagttana gagtcataaa gttttancca ggg 173

<210> 13998
 <211> 485
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-F8
 <400> 13998

nnntgggnnn ntngngcatt tctagcnntc ggtaccggac ncnaattcnc gggncgaccc 60
 acgcgtccgc tttcattttc cctctctctt tcaagttcct tgttatttaa gaaagccatg 120

aatccgatta tctatttcta accctgggcc gaccagaaaa ctttttggac gacccaaact 180
tcaagggttc taataaatc atcaccggaa aaagatacat ataaaataaa aatctctcac 240
cactgctgat tcaaatggtg aatcttggga gctacgtttt cgtctttgtc gcgttgtctc 300
tcaccgtggt ggttccatcg gttcaagccc acatcgccga atatgatgaa tactggacgc 360
agcgtcaaac caacgcattg cgagaaactt tggaatctta tgacccgaac ccagagaacg 420
tcacggacca ctttaactac catgccgcct tancatgga gacgacagg atagttnaca 480
aacng 485

<210> 13999
<211> 56
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-B1

<400> 13999
acaggtgatt ctcatcaacg gacaattccc tngtcccaac ctaaactcaa cctcca 56

<210> 14000
<211> 146
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-C7

<400> 14000
aacacatata cngtcagtan tcattagttt gagggcacct acggaaagca agtaanacta 60
cagagggtan acgttccagt gcttaatgat gaaacatcat caagtacaag caaacgtgtt 120
tttcaacana cnccgatatca cnttca 146

<210> 14001
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-C8

<400> 14001

tggtgttgta tatgttggat ctacatcagt gtatctgaag ctggagttca ctgtgatata 60

attgccccgtg aactcaggat tccgctgctt caagtcaagg aagcggttaga acagctctca 120

aacgatgggtt gcatatactc gactttggac nagacatgct tcaaatacgac tgctaacgct 180

tgatgaaaat tgattttatat gtcaacacat atcaatcctc ctctcatggt caaaagtctt 240

ttgtatangc cctaagggtan gacaatatgt agttttaaga ctaaaantct ttcttatggc 300

ttttggattt ttttaaaggg anctaaactc aaaaagttca aaatcatttc gtcacttgaa 360

aannnangnt na 372

<210> 14002

<211> 423

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-007-Q1-E1-C9

<400> 14002

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acatcgaaac tggtgaaccg tgtacgcttc gtcgtagtg atgcggagac gaaagatata 120

gccggaaaat cattggccta gattcaatcc attagagact catcggagac gtctacgtta 180

gcgtacccaa tcctcctcct cttctggggt gtttgetgat cacacatata ttctttcttc 240

gattctctct cagggcgtgt cctgtgtaat cgtttagtgg atgtgcaatg caaaggctcg 300

gtagaactag aagaagagtt tctgtgaaca agtttaatgg aaggaacagc ttttaciaag 360

tctctttgtc tcttgttttt ctcttttggg ttcttctctt cttttccanc ttgttgaata 420

atc 423

<210> 14003

<211> 384

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-007-Q1-E1-D12

<400> 14003

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gctgagcctt gaagctgcgg cgctgttttc accgggatcg cgctcgattc tccgggacat 120
 cggcagtaac gtcgccgatc agaaagacaa cgctatcgaa ttgaacgcta ccaactttga 180
 ttcagttttc caagattccc ccgccaaata tgccgtttta gagttcttcg ctactgggtg 240
 ccctgcatgt agaaactaca agccacatta tgaaaaagtt gcaaggctat tcaatggagc 300
 agacgcagta tatcctgggt gtcgttttga tgaccagagt tgattgtgcg ataaagatga 360
 atgtaaaact ttgtgacaag ttcc 384

<210> 14004
 <211> 411
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-D4
 <400> 14004

aagaatcatc agattagtcg ccgtagatct gaatcaacgt cgtaacagta gcagaatttt 60
 gcggtgaaac gatggttttg gttacgtctg tgcgtgatta cattaancgg atgcttcagg 120
 acatctccgg catgaagggt ctcatactcg actccgaaac ggtagcaat gtaagcattg 180
 tgtattcaca gtcagagctg cttcagaaag aagtgtttct ggtggagatg atanattcaa 240
 tatctgtgtc aaaagaatcg atgtcacatc tgaaagctgt ttatttcac cncnaactt 300
 cagataatat tcagaaanta cgataccagc ntgcgaatcc tagatttgga gantaccant 360
 tantttttctc aatctgttga aggatactca gaanccnatt tggctgattc c 411

<210> 14005
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-007-Q1-E1-D5
 <400> 14005

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 gatctaccac taaaatacat attcatgac aaaaagaaga taattaagta gattctcatg 120
 aacgccgatt tggtcaccca ttgagccaaa atcgcggcgg tccacgcaga aatagcgctt 180

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-E9
 <400> 14013

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 ttcgctgcac ttggattcat gtcgcctgcc tcaagaggaa tgctactaac cgggatgatt 120
 attctctatc ttttcttggg tattgttgct gggtagctg gtgttcggct ctggagaact 180
 gtcaagggga cttcagaagg atggagatca ctttcctggt ccattgcatg cttcttccc 240
 ggtattgctt ttgttatact cacagtgttg aacttccttc tctggagcag caacagcact 300
 ggagccatcc caatctcttt gtattttgag ctcttggtc tctggttctg catctcggtt 360
 cctctcacc cttttggagg attcctaagg aacacganca gaagcaatcc anttcccagt 420
 gaga 424

<210> 14014
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-007-Q1-E1-F10
 <400> 14014

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 tcgtctcgtc tccctcgcat ctccactcaa tctctctgtg tcccatcgat aaaatgcagc 180
 anaagcttac ctaaccgaga tacagagact tctcaaagg attctctcct taaaaaccta 240
 gctaaacctc tagccgtagc ctcaagtctc tccgctgctt cattctttct gttccgaatc 300
 tcgaatcttc cgtcggttct gaccgggtgt ggaggaggag gagatgggaa tttcgggtgga 360
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<210> 14015
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-F11

<400> 14015

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tttgtgagaa caacgtgtcg cgtttcgatc cctgntgggt ctttggggaa tgantcaaaa 180
gcanctcaa ngtttcngan ggataaaaag attggttccan atgctgatcc cccaatatg 240
gaagatatcc acaagttgta tcgacttttt gagcaaagct cgagacncac catcntgant 300
ggagctgggg ttagcacaga atgtggaatt ccggattaca gaantcccaa tggagcatac 360
agttctgggt tcaaaccaat taccatcan gtgatctgaa tgaatttact cnatca 416

<210> 14016

<211> 402

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-F12

<400> 14016

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aaacgaatth tcttgtactg gctttgtctt tgtgtatcct tctttcaagc ttccatgagg 120
tttcttgtca ggatgatggg agtggtttga gtaatttga tctaatagaa cgtgattatc 180
aagatagtgt caatgctctt caaggcaagg acgatgaaga tcagtctgca aagatacaga 240
gtgaaaacca gaataaact acagtgactg ataagaacac tatttctcta tctctatcag 300
atgaatctga gggttgatct gttagtgatg aaagcggttg acgttcgagt ctgttggaatn 360
aatcaaaact tgaattcgaa gctcatcaca atagtattaa cc 402

<210> 14017

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-C3

6812-006-Q1-E1-H8

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gctttgattt ccaaccatgg aaagactaat ctanccttca acctccgccg ttcaatccca 180
tctcgccgcc tctctgtttc ttgcgcggca aaacaagaga cgatagagaa agtgtctgct 240
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gctgaccttg gagcagattc tctcgacacg gttgagatag taatgggttt agangaagag 360
ttaaacaatcc aaatggccga agagaaagca cagaagattg ccacagttga acaagctg 418

<210> 14018
<211> 344
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-F6

<400> 14018
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ccacgcgtcc ggtcttggac cacatcgta atcaatgttg tttgttgttt gatgtttact 120
tttttttttt actcagtttt gaaaattcga taagtattct agctctagaa ttccatatct 180
agggttttttg ttttctcta gatagtctga agaataatt gtaatggctc gtggaattac 240
acggaaacag ttttgttgta ataatggagc atcagttttc tttggttgaa tgaaaaatca 300
taattttttt gactaaaaaa aaaaaaaaaa antaaaaaaa aaag 344

<210> 14019
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H8

<400> 14019
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tgtggctttc tccgccgtag gaaacgtggc tgcncgtaca gaggctccgg ctccaagtcc 180
tacttccgat gctgctatgt ttgtcccggt attgtttgca tctgttgctg ctttggcatc 240
agggtttctc ttctaaactn ttctcaacat tcattgagtt aanggtccaa aatgggttgg 300
cctttnactt ccgttaagtc ctaatggcat gagctttttt gtttaattgt tctgtaataa 360
tttgggacta actaatgttg ttggtgttgt aataatgaat tcaataaatt aataacnata 420
atttaaangg gntttgaatt tccctttccc aaaaaaaaaa a 461

<210> 14020
<211> 492
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H9

<400> 14020
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cacggtccg naaatctctc tttctctcaa actctctcaa caacaacaat ggcgtctctt 120
caacaaactc tattctctct tcaatccaaa ctcccacat cctccttcca natcgccagn 180
tctctccac tccgaaaaac cttcccaatc cgaatcaaca acggtggaaa cgccgccgga 240
gcaagaatgt cagccaccgc agcatcangc tacgcatggg cattagcaga cgtcgcgaaa 300
agaaacgaca caatggaatt aacagtcaca gacatcgaga agctcgaaca agtcttcnca 360
gatcacaagt actaaacttc ttgcggaatc caacaatcac cgtcgagaaa gaangtcaag 420
tcatcgacga tatagtgaaa tncgtcgctc tncatctcaa aatctaattc ctcangtctc 480
gtcnangnga aa 492

<210> 14021
<211> 436
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-A10

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 tcatgaggat gatgaagtan cagtantca tcancatcat catcaccaga gcggtgagta 180
 ttacagagag tatgaagatc atcgtantag cgatgtngat aacgatgaga tcattgctan 240
 aactctccaa gacgattttt tgcagcttga aatcgagaa agtaacgatt attcgcatca 300
 gaatcaacaa caacaacatc aacaagaagg ttataactaac aactatacgt aataacaaca 360
 atggttatgc ttggaatgat cagtctcctg ctgtggatta ntcctcaciaa tggntagga 420
 natgataatg atcnag 436

<210> 14022
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E2-A11
 <400> 14022

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 acgtcccggt ttaatcgggc tctcggttcgg cacctccagc tttttcagtg aagatgaccg 180
 actcttttcc cgacagcata cggctccatc agcgggtgttg gtcggatttt agttttactt 240
 tggccataga tgagttactc tcaccttttg gtctttgttt tcccttcaat aatttcagca 300
 attatgtgtt ggtgataacg atttaggtgc tatgttgctt aaactgttga ttatccgact 360
 catgttggtt gaagcttggg tttacaggaa ttattantaa tatttgcagt ttataattga 420
 agagaagaa 429

<210> 14023
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E2-A2
 <400> 14023

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tggggaatcc	tgatnangcg	tgatgggtca	actgcgaacn	ttagaaggca	ccnaaggtga	420
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<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-006-Q1-E2-A3

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<212>      DNA
<213>      Arabidopsis thaliana

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<223>      Clone ID: LIB25-006-Q1-E2-A5

<400>      14025
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 <213> Arabidopsis thaliana
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 ggtttattta atgagatgat tactgaaggc cttacgctta atgttgttggt ttataatact 180
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 agttgctgaa ngtcaacttg tgaagttaga tggagttgtg ggagaattcc aaaaggtata 360
 agactcaagg gatanaatcc taattngtta aaacgttnaa caagttaagg catttantta 420
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<210> 14027
 <211> 71
 <212> DNA
 <213> Arabidopsis thaliana
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<400> 14027

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<210> 14028

<211> 435

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-A9

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gaggtgaaga agctgtgtct aatgtgacaa agcagaaggc tgctgctgcg aaacagtata 180
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aggatctaga gaagaaggaa actgaataca tgcgccgtca gagacataaa atgggaactg 360
atgacttcga gccattgaca atgatangaa anggggcttt ggagaagtta ggatatgtna 420
gggagaagac acagg 435

<210> 14029

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-B1

<400> 14029

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gctgctccac cacatccgcc gccattcat caccatectc ctctectec tgttttagtt 180
gacaaccata atcgtctctc ttatgacgag ctgcggacaa tcttcategc agggcttccc 240
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<213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-H6
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 agaagattac aaattcttgg atctgtgatt ctctcggtct ctctcangt cgctcactct 180
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 agtaaanaag ttgacatcta taaagactgn gcttccatat tcgtattact ctcttccttt 300
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<210> 14035
 <211> 415
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 aaccanaatc ttcgagagat ggggcagagt atgagctgtg gaagtcgacc ggagcacgga 180
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<210> 14036
 <211> 406
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 <213> Arabidopsis thaliana

<223> unsure at all n locations
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cccgttttaa tcgggctctc gttcggcacc tccagctttt tcagtgaaga tgaccgnctc 180
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taagtgttgg tgataacgat ttangtgcta ngttgcctaa actgttaata accgactcat 360
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<210> 14037
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14037

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tcctgtagag gaagcaatcg cagctctttc cacattctcc ttagaggatg agcaaccaga 180
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<210> 14038
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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6822

<400> 14038
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accaacaaaa tttttagatg ggcagtttca gtctttcaca gccttgaatc tgtgatgaag 240
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ccgtgtncgt gtatgcaact ccaacaagtt ccaatgatga attggtaatg gctgtaagcc 420
gccggcaaac ncaaatgttt tgccttgtga caaatga 458

<210> 14039
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G6

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caaaagtatt ggntcctgcg tttcaaggan gggggcagaa accaggtact gaaatctgga 240
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agaacagttg aacttgatgc ag 442

<210> 14040
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G7

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 ccacggaaat ttgggaaggg taaggcgatg aagcttgagg gaagttttgt tactgaaatn 360
 ggtaaggta angtaagaac ggtaagaac gataaaatga aagttgtcaa ggaaaaaaag 420
 ccagctgaaa ataatgtctc cnttggtt 448

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 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-G8

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<210> 14042
 <211> 414
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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<400> 14042

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 aagaagcaga ggctgacaga attacgtcac ttccaggta gcctaacgtc acgttcgagc 180
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 gatgttcgtc ggtagcgtac ggtgcgtcgg aggagattgg accattcagg ataagcaaag 360
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<210> 14043

<211> 450

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E1-H1

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 gtacatgacc tacatgctca agtacgacag tgttcacggt caatggaaac acaatgaact 240
 caagatcaan gatgagaaga cccttctctt cggtgagaag ccaagtcact gttttcggca 300
 tcaaggaacc tgaaggatat ccccatgggc ccgaaggctg gaannggact aacgttggtg 360
 agtccaactg ggtgtccttc aactgaacaa angacaaagg gntgcaagct caacttnnaa 420
 ggggtggtgg ccaaagaaan ggtttgttat 450

<210> 14044

<211> 95

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E1-H10

<400> 14044

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<210> 14045
<211> 112
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H11

<400> 14045

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<210> 14046
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14046

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aaagagtata tggaaaggaa aggaatcttc cccaccatag agatncgtaa cactctgata 180
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cttaaatgtg aatatttgca ncaaagaatg caaataattt ggttccgtcc tnataagaat 420
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<210> 14047
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-H3

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 aagaagggtta acaacaagan gtcctcctgt gccatccgt caaggctgaa tccttacgtt 360
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<210> 14048
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
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 cacaagcaca agctcaagtt ccatgtttct ttgtttttgn cgactctttg gttgacaatg 180
 gaaacaacaa cggtcttatt tctattgcaa gatggnaatt acttcctta cggtatcgat 240
 ttcggcggcc ctaccggccg tttctcnacn gcaagactac tgttgatgtg atcgctgagc 300
 tacttggatt aaatgggcaa aatccctggc ttaaaanacc ggtgaagttg gccgggaanc 360
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<210> 14049
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-H5

<400> 14049

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tgagcaaaag gaantcactg att 443

<210> 14050
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-G1

<400> 14050

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ggtggccgca tcatcatgcy tegtaccgtc aagtctactc ctgagagcag ntggtagcga 180
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tcgcaaagaa tcgtgagctc gaagtgattc acagtagatg ggcaatgttg ggagctttag 360
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<210> 14051
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E3

<400> 14051

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cggaagatgc catccgagca cttgaccgct ttgaattggg ggcgtaaggg acgcanactt 300
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gagattcngn gtccaacaat aagaaccttc aagaactccc ccttggtgaa ttaacntttg 420
aatgccggat aataactaaa ggancncngg aattctaana agaaaacaac nttt 474

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<210> 14052
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14052

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tcaatcacgg agctcaaggg tatcaggtga agaaattctt tgggtgggct cgatgtcaat 360
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caataaagaa agctt 435

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<210> 14053
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E6

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gttgatttgt ttaacgaggt agagtttcaa acagcttgcg gccagatgat tgatttgatc 360
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<210> 14054

<211> 442

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E1-E8

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atgcttccgg cggcgggcggc ggcggtggag gctngtcagg gaaaacttac catcggttcta 240
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aagaaggtaa caagttgttc cagaaacgag accacgaagg tgcatgttg agtttngaca 360
aagccttgaa gctcttgccc aaagatnata tcgatgttac ttatcttana acgantangg 420
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<210> 14055

<211> 502

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E9

<400> 14055

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ccttcaggac cgataccgaa ctttttcgta tcgctctctt cggcatttac gcaaacacct 180
cttgtgcgtt cgaacaaacc caatttgctt cttctaccac cagttgcaga ctccgtcaaa 240
ttgattcaag actttcatca gtctctgatt tctgctactg agaaatttaa aggattcctc 300
cattcgctcg cctctaagaa ccctctcttt caggaagcgg ttgcctatc ttccgaattt 360
cacattttgt gcgacgagat tcgtttgaga aacactacaa gggtgagggt tgcatgtct 420
aatcacggat ttgcagcggg tctgcctgga gattcagttg caggattggg ggttgctaata 480
ggtttgatna atttcctcaa ca 502

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<210> 14056
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F10

<400> 14056

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gcgtccgctt cttgtgtgag accgagaaaa aaagatgact aagaacagta accacgacga 120
gaatgagttc atcagctttg aaccaaata gaacacgaag atacgctttg aanatgctga 180
tgaagacgan gttgctgaag ggtctggtgt tgccggcgag gaaactcccc aagatgagtc 240
catgttcgac gccggngaga gcgccgacac cgntgaagta actgatgata ccaccattgc 300
cgattactac ttcgattctt actctcactt tggnatccat gaagagatgt tgacggntgt 360
tgtgagaaca canacttata anaatgttat ttatcatanc aagtttctta ccanggacaa 420
aattgttctg angttggacc tggaaccgga antttggccc cggtcctgnc caaggcanga 480
accgtcct 489

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<210> 14057
 <211> 419
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-F12

<400> 14057

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 gaacaagtgg aaatgccgtt ttggtggcca ctgatcgctc tcgccttcgc ttacgcgatc 120
 tgcaagttcc ttcttatgct cattcctccc aatgttcctt ccattgacgt tgacgcatcc 180
 gatgtgttgg ctcatgggaa agatacggag gagaatagct tcattctatat tcctcccaga 240
 ggaaggagcc aacagtcctga caaaaaagtt caatgttatg aacctgccac aatgaaatat 300
 ctgggatatt tccctgctct gtcgcctact gaggtcnagg agcgcgtaac actatcaagg 360
 aaggntcaaa agacatgggc tcaaagttan ctcaagctta gaaggcantt cttgcggat 419

<210> 14058
 <211> 453
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-F2

<400> 14058

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 ngaagaagca gagcgagata tctgcaatgg agatcgacga tccgaaattg aaagctcgga 180
 tcagatcctt ccaaggttct cgatcaatgt tctgcagctg cggaaatctt ctgaggcgca 240
 acatggtctg cgteatggtg actatgctcg ctctcngagg tattgctccg cacgtttgag 300
 gaggttatac aagtccttga aattcactca tgggccgtgg naaatacact cgacnaanca 360
 atnctngaag caactgtcac tgaagttaag gtccctcaag tngtttccaa natggcgggg 420
 aanaacaagg ganccatgca atgggaaaaa aga 453

<210> 14059
 <211> 458

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<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-006-Q1-E1-F3

<400>      14059

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tttgagnnga cagtttactt tttctccttc tctctctctc tctctttctc tttctctgtc  120
tctttggcctt ttctcctcct gttctcatgg aagcttcacc caatgatcgg gttcattttg  180
gcaaaatggg tttcgggtgt aagcattaca agaggagatg nnctnatcag agtccatgt   240
tgcaacgaag tcttcgattg tcgccattgt cacaacggag aagcactagc acattgcgca  300
atatctacga acgtcacgat cttgttcgtc aagacgttaa acaagtgatt tgttctctgtt  360
tgcgatacng gacanccggg agctcaagtt tgttccaatt gtggtgtcaa catgggaaga  420
ataattttgg aagcatccgc ataatccaag aatgatga                               458

<210>      14060
<211>      450
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-006-Q1-E1-F4

<400>      14060

ataaaaaacg caccgccggt aacaattttc cggcgaatct gaaaactaac gattttttctc   60
tctgttttgt agagaaagag aaagagattg attcgttcct ggttcgtgga tcgacngan  120
aagaagaaag agtaagtgca acagaatcaa tggatatttc cggtgagatg acgacgacga  180
caacgagacc tgagcaacga tcgaagactc ttcacaattt ccctctcccg aacttatggg  240
ggaatcaaga gacaactcaa gtgcacgaag ncngactcta tcagcaacaa caacaacaac  300
ggaggaagtc ccggcggcga tnaccgacta cgacgccgat ntccgcctct ggaattcgct  360
tctntctccc gtttcgatgc cgtttcgatt cggtaactcc gatnatccgc gaacgtttaa  420
atccgggaaa cgaagaaagg atnnaanagt                               450

<210>      14061
<211>      463

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6833-14061-14062-14063

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F5

<400> 14061

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gtagatcggt cttgtaagaa catcgctctg agagttactt gtgaagcggg aagagtggag 120
ctgctagaga gaaaagcctc agagactttc aagttaaaca aaagtgagaa aaaattgacc 180
tgtgtaatga aattcgggtg ctcacacagt gcacatctat aaaggatgat acaagttgcc 240
aaactcatac tcagcttccc agatgagaag gtgttgttgt gctatcagca atgggcaaag 300
accaccaata accttttgat ggctggggag aaggctgttt gctgcggtgt caccaactnn 360
ggacactatc cgaaagagtt gagcctaata taaaaggga ctccatataa nggacngctc 420
atgaancttg gganttgga aacaagcaan tttanttgca aga 463

<210> 14062
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-F6

<400> 14062

ggagaggagg tcgcacgggt tattatTTTT tcccgggatc tcttctctc tgtgtgtgtc 60
gtcttgctc tgctctatct ctctccctgc tctttcacat ttcatactt tcttaactgc 120
tcataacac tcaaaaaccg atcataagca gagtttgtaa ccaatgtgga gcagtgggag 180
attacaaatc ttcttgccca acaacctcga gagttaattc taggtactca tatccatatt 240
aaatcgaatt cttaattagc ataataaggt ancnaataanc tgcaagagga attctggatt 300
taaataaacc ataatccgtg tgcctaaat tgtaacttg tatcaaacgc ttatgagatt 360
nattctnttt ttaatttaat tgggttttgg tgaacttaac cttannggat taaattaant 420
ggtttttaaaa anntgggtcat ttaaatacaa ttgaaaaaan gangg 465

<210> 14063
<211> 436

<212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-F7
 <400> 14063

aaccatccca accaagaagg aacaagtctt ctccacctac tcagataacc aaccgcgtgt 60
 gttgatccag gtgtacgaag gagagagagc cagaaccaag gacaacaacc ttcttggtta 120
 atttgagctc tccggaattc ctccagctcc tegtgggtgc cccagatca cagtctgctt 180
 tgacattgat gccaatggta tctcaatgtc tctgctgagg acaagaccac cggacagaag 240
 aacaagatca ccatgaccaa tgacaagggt cgtctctcca aggatgagat tgagaagatg 300
 gttcaagagg ctgagaagta caagtccgaa gacgaaggag cacaanggag aaggttgaan 360
 cccaagaacg ctctcgagaa ctacgcctta caacatgagg aacacatcca angacgagaa 420
 gattggtgag aagctc 436

<210> 14064
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-006-Q1-E1-E2
 <400> 14064

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 caggatcata gagatgaacc ctagggtctc aagatcttct gctcttgctt ccaaggctac 120
 agggtttccc attgctaaaa tggctgcaa gttgtctggt ggncatacct tggatcagat 180
 tcctaattgat atcacgagga aaacaccggc tancttcgag cctccatcg attatgtggt 240
 gactaagatt cctcgatttg catttgaaag gtttccagga tttcaagcca ttgctaacga 300
 accaaatnaa atcctgttgg gggaaaccaa tgggctcctc cggccgttac aattccaaag 360
 aatccttttc nagnaaaagc tcctgaangg tcctctggga anttggttga attcctcng 420
 ggtttggggg nttgttgcaa aaaaanttaa aangaanta anaatttggg aactngggaa 480
 tnaaacc 487

<210> 14065
 <211> 514
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-E3
 <400> 14065

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 tcnaanttc aatctctcta aactctcaat ttcagtaatc gataaccgta gcaatggaat 120
 ccaccggaaa agtgaagaaa gctttcggag gaagaaaacc acctggtgcc ccaangacca 180
 aatcggtttc gaaatcgatg aaagccggtc ttcaattccc agtggaaga atcactcgtt 240
 tcctgaagaa aggacgatac gctcagagac ttggtggtgg tgctccggtt tacatggccg 300
 ccgttcttga atacctcgcc gcaaaagttc tggagcttgc tggtaacgct gcganagata 360
 acaagaaatc aaggataatt ccgaggcatc ttcctccccg cgataaagga acgatgaaga 420
 attggggaaa acttctgant tgggtgtcaca atcgctcacg gtgggtgttt tgcctaaaca 480
 tcaactctgt tccaaattgc ctaaagaagt ctgg 514

<210> 14066
 <211> 67
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-E4
 <400> 14066

taaanccctt cctntccttc aaanaccaa gggggaaatc aatcaaacta aagcctcctt 60
 caaccaa 67

<210> 14067
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-E6
 <400> 14067

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 gtaagagaga gagaatggca ggagaggcag aggctttggc cacgacgna ccgttagctc 120
 cggtcaccag tcagcgaaaa gtacggaacg atttggagga aacattacca aaaccataca 180
 tggcaagagc attagcagct ccagatacag agcatccgaa tggaacagaa ggtcacgata 240
 gcaaaggaat gagtgttatg caacaacatg ttgctttctt cgaccaaaac gacgatggaa 300
 tcgtctatcc ttgggagact tataagggat ttcgtgacct tggtttcaac ccaatttcct 360
 ctatcttttg gaccttactc ataaacttag cgttcaacta cgttacactt ccgagttggg 420
 tgccatcaca attantgccg gg 442

<210> 14068
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-E8
 <400> 14068

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 cgctcatcga aatctcctac acttcacccg aggaagacga ggttataacc tactcagatg 180
 tgaagcctgt cacctatatc tcaaacggaa gtgccaaagg aaacaaagat gatgcggaga 240
 agctcagaga tgagctgatt tcgatatcct acgacgagtc accgtcgcct tcaccggatg 300
 tggatgtagc tgtttcgccg accctgccga acggtgtatg tcgtggatag gaagttaatg 360
 tacagcttga agaagtcttt actttcntat gcaaaaagac ttttggnntg ggtccaaaaa 420
 gttgacca 428

<210> 14069
 <211> 365
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-E9
 <400> 14069

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gcggtccgcaa acgcggtccgg ttacggaggc ggtgggtggcg gctggtaatc aaagatagag 120
ttgtttgcgt gctgctgctc tgttttttggg ttagatttgg ttttgtgtca ccacttctgg 180
tttggttata gttcgtttgg ttactttttt tgatgaaaca gtttcgttta agtcttcttt 240
gtctggaacg aaatgttaat tcgcggtgttg ttactaaat ttataacgtt tccttttaac 300
caagattcga gattttccct caaataattt atcttgtag acacaanaaa naaaaaaaaag 360
ggcgg 365

<210> 14070
<211> 435
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F1
<400> 14070

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gtaatgatga taatgggtgtt ggttgtctct tgtgggtgaag ctgtttctgg agctaagtcc 120
gatgagcttt atcgggtcaag ctgggctatg gatcattgtg tcaacgaagg cgaagtcaca 180
aaactcaagc ttgacaatta ctctggagct gggtttgaat caagaagcaa atacttgtht 240
ggtaaagtct ctatccagat taagcttgtt gaggggtgatt cagcaggaac agtcactgct 300
ttctacatgt ctccagatgg tccgaaccac aacgaattcg attttgagth cttanggaac 360
actaccggcg agccttacat agtccaagac caatatctac gtgaacggat tggnaacaga 420
gaacaaagac caacc 435

<210> 14071
<211> 513
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F11
<400> 14071

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cacgcgtccg gaacaacaag actcaaaagg tagaaagaat cggacatgga agaagcagtt 120
gtaacgaggt attggtgtca tatgtgttct caaactgtga atccagtcac ggaagctgag 180
atcaaatgtc ccttttgtca aagtgggttt gttgaagaaa tggaagatga cgacgatcat 240
gattcttctg atccggtgga tggttagagca aacaactctc tttgggcgcc tatcttgatg 300
gaacttatga atgatcctgt gcgtcgtagg agaaaccaga gtgttgagtc tgttgaagat 360
aatcaaaaacg aggtacagac cgagaacaat gaagacgatg gagaaaatga tttggattgg 420
cagcttcaag agattctcag gagaaggaga agacattccg ctgctgtttt gcagttgctt 480
cangggatac gaacanggtt gtctgtanaa tct 513

<210> 14072
<211> 442
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-004-Q1-E1-F2
<400> 14072

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aattgtattc cctggattct gattctctca ataacctcag acccgatatac ggtctgatct 180
ttcttttcaa atggcaagct ggggaaaaag atgagcgtcc aacgatccaa gatcaagttt 240
cgaacttatt tttcgcaaat caggtcatta acaatgcttg tgcaacccaa gcgacccctg 300
ctatctcttt gaactctcca gaggttgaca tcgggcctga actatcagcg ctgaaagaat 360
tcaccaagaa ctttccatcc gacctcaagg gtttggctat caataacagt gattcaatcc 420
cgggctgcgc acaacagttt cg 442

<210> 14073
<211> 509
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F3
<400> 14073

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cgccgaang acgcgtccgc ccacgcgtcc gcacaaatct gcaaattctt ttcttcttct 120
gtcttcatga atttcaagtc taacaattcc tagccgttta caatttgacg gcacaattct 180
tcattccttg tcgtgcccgg aagtaaaaag atgatctttt tggtttctga tgagataaaa 240
cagagatctt gttaacactt ataagcagac ccaactcggg aagctatggc cgctattcgt 300
tttgcgccgg cgattctgat ttgctgttta ttaccggcgg cggttttgtc ttacggtttc 360
ccggcggcgt tgaaacttga aagagttatt ccagcgaatc acgaaatgga acttagtcag 420
ctcaagggtc gtgatgaagc tagacacggc agattgttac agtccttaag tgggagtcac 480
aaaattttcc cgtgggaccg gaacttttg 509

<210> 14074
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F4

<400> 14074

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ggaacgttaa ttggtataaa cacagccatt tattctcctt ctggtgcatc ttctggagtg 180
ggcttttcga tcccagttga tacagttggg ggtatcgttg atcagctggg gagatttggt 240
aaagtcacca gaccaatctt aggtatcaaa ttcgcaccgg accaatctgt tgagcaattg 300
ggagtgaagc gtgtgctcgt cttggatgct cctccaagt gtccagccgg caaagccgga 360
cttcagtcaa caaaacgtga tggttacggg agactagtag tangagacat aatcacgtcg 420
gtgaacggta caaaaagtct ctaacgggga gtgatctgta ccggattctc gatnaatgca 480
aagtcggcga tgangtgacc g 501

<210> 14075
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-F5

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 gaacgagttc ttcggatgca tcgtatgctt tagttaagaa gggtttcttt gtcaaggaga 360
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 actacaacng ctgg 434

<210> 14076
 <211> 443
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-F8

<400> 14076
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 cgccgagaaa ggtttcccaa tctcagtcta caatcgaacc acttccaaag tcgacgaaac 180
 cctagatcga gccgcgctcg aaggaaacct ccaggtctcc ggccaatact ctccccgcga 240
 tttcgtctct tcgatccaac ggccatagatc tctcatcatc ctgtcaaag ctggagctcc 300
 cgttgaccaa acaatcgacg ccttctccga atacatggag ccaggagatt gcatcatcga 360
 cggtggaac gaatggatc agaacacaga gcgacggatn tccgaaagct gagcaaaaag 420
 gattgctcta tttaggtatg gga 443

<210> 14077
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-004-Q1-E1-G1

<400> 14077

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 atcaccttcg tccacgcaca tgctcactaa gcccaagtcg aaaaaagcga caaaatcgat 180
 tgccatgcta atcgctcgctt ccttggctat cacggttagg ttattatttg ttttcagttc 240
 aaattcagtt atgtttctctg caagttttct tcggagaagt tcacttcact acagcgatcat 300
 tatcgatgcc gggagttcgg ggacccgaat tcatgtgttc gggactcggg tttgagtcgtg 360
 ggaaaaccgt tttcgatttc ggagaagaac attacgctag tctgaagttg agtcctgggtt 420
 tgtctcgat gc 432

<210> 14078

<211> 504

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-G2

<400> 14078

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 aacacattca aaacactatt cgcgaaatcta atctctaaca acaataaacc tcgcttgaag 120
 aagagtgtga tcgagccgat caacggctct gattcatcag attctggtcg tcttcatcat 180
 gaacctgtga ttacttcctc acgaagcaac gagaacccta aatctgatct tgaagaagaa 240
 gatgaaaaac agagcatgaa ctctgtttta gatgttcaat gggctcaggg gaaagcaggg 300
 gaggatcgtg tacacgtggg tgtatctgaa gacaacggat gggctcttgt cggaatctat 360
 gacggattca gtgggtccaga tgcgccggat tatctctca acaatcttta caccgccgtg 420
 caaaaggagc tcaatgggtt actttggaac gacgaaaagc ttagatcttt aaggagaaaa 480
 cggcatgacc aaaaccggaa aatg 504

<210> 14079

<211> 380

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-E2

<400> 14079

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atgggcgact tcttctactt tctcgtcact actacettca ccaccagctc ttctttccga 120
ccaccgttct cctccaccat ccacagata ctcttttctt cccttngcta ctccaaaatc 180
gtctcgtttg gggtttcactg taccggagaa gagaaacctc gctgctaatt cgtctctcgt 240
tgaagtatcc attggcggag aaagtgacca acaacatcat caaccgggtt aaggaggaga 300
caacaaggna antggaatta cnaaaacnca aattactnan ggtanttccg gaatnaacca 360
gaggganttg tggcaatngt 380

<210> 14080

<211> 426

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-B3

<400> 14080

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cttaagcgcg ggaaaatcaa ggaacagcgt ttctaggatt agtcgtgttg gattctcttc 120
ggctctcggt gtacatgtac ccagaaggat gtttatgcag ctgtctggat ttgggttcgg 180
cttgacgctt ctggattttc ctagttagc ggccggtt cctcagatga aggaacctga 240
agtgatcagg acattgaaac tcccagatgg cgtgaggtat caagagataa ttgaaggatga 300
aggacgagaa gctcatgaaa ggggacctgg tcgaactaaa ctatgtgtgt cngcgtgcaa 360
aatggatatt tcgttcataa cacggtggat naantcaant ggtgaaagtc tcctgtcaaa 420
cttaat 426

<210> 14081

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-B4

<400> 14081
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 atcttgattt ctcatcagtt aaacatggga actcctgtcg aagtctctaa gctccatttc 120
 ttgctcttcc ctttcatggc tcatggccat atgataccaa ctctagacat ggctaagctc 180
 tttgccacca aaggagctaa atccactatc ctactacac ctctcaatgc caagctcttc 240
 ttcgagaaac ccatcaaadc attcaaccaa gacaaccgg gactcgaaga catcaccatc 300
 cagatcctta atttcccttg cacagagctt ggtttgcttg atggctgtga gaatactgat 360
 ttcactttct ccacacctga cctaaacgta ggtgacttga gtcaaaaagt ttttactccg 420
 caatgaaata tttcgaanga g 441

<210> 14082
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-B5

<400> 14082
 gtctcttttc ctccgcatct aaaaccatct gagaaatadc tccgacgaag gagaagaaac 60
 gaaaatgacg gagactggag taatcggatg tggctgtcgc ggagtcaccg gcggcaattt 120
 cttccatccc ggaggatttt ctttgaaadc ttgtttcctc gagcagagta caaagcgtaa 180
 tcgtaacttt ttccgaagcg tttctatgat tctcctttc aaacgcggtc gtttcatcac 240
 taagttgcgt tccgtcgccg ggaacagccg aatcttttagc atggatgctc gagagaaadc 300
 acgatcgttt gtgttggtat catcaaggca caagagaatt ccaanttttt gtgattgatg 360
 ccgattgata catttgggat tgatgcttct ggggtgtcca aaagattaaa aaggtcaagg 420
 ctttaactgt 430

<210> 14083
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-B7

<400> 14083

ctctcgacga cgaaaatctc aaaaacccca aaatctcctc caactccgag ttatggctac 60
atgttccctc ttaccaccac cgtccttttc tccgcgcggg cgattcngta gtttttctca 120
caatcgccgg tctctacctt caatattcag tttcaacaaa gagcgtgtct cacgaagagt 180
cttctgtagc tccaaagaga acgatataaa cagagatcgg aatcagtcta caggaattca 240
agtctacggc gaaatcgaga gggtattaac agagactgta aaaaattctc agagtagctc 300
cgggtggatcc tctgattggg cagaagttga gggagcatgg gtgctgaaac caagaaactc 360
gaaaccgaag atgggtgttc atttcattgg gcggtatatt tgtcgggtgca acaacacaag 420
cttactatcg aatggg 436

<210> 14084

<211> 316

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-B8

<400> 14084

cccaaaagac cacctcaccg tcagaagaag aagttaaact acctaaccgc tttcaaaggt 60
caatacccg cgaagatcac tctcgggtcg gatctttccg tgtaagacc gtccggatct 120
atccccgacc gatcaatttc acgaagtgtt ctccttcaat cgaataaagt caantgcttt 180
catcaaaatt taccgcgcaa ttgaagaagg aagaggaacc aaacctcaa tggagagaag 240
tgagtcggt gatgaagatg tccaagcatc tgnnnattaa agaannaaca aggtncctna 300
agaaantntt caatgt 316

<210> 14085

<211> 491

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-C1

<400> 14085

tgnnggaatt ctcccgncg tacgggtccan naatcccggt cccaccacgc gtcnnnccg 60

caacaatatc ttttgctttc tctctcattc ttcaccagta acaagcccat ctctcgattc 120
 ttcactctca aggaaggaga cgttttgaaa atcagaaatg gtgaagatat gctgcatagg 180
 agctgggttat gtgggtgggc caaccatggc ggtgatggct cttaagtgtc ctgagattga 240
 agtagtcggt gtggatatct ctgaaccaag gatcaatgct tggaacagtg ataggcttcc 300
 tattttacgag ccgggattgg aagatgtggt gaaacaatgc agagggaaaa acctcttctt 360
 tagcacagac gtggagaaac atgtatttga gagtgatatt gtatttgtct cagttaacac 420
 tccaacaaaa cacaaggctt tgggtgctggc aaagctgctg atcttactta ctggganaat 480
 gctgctcgga t 491

<210> 14086
 <211> 515
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-C10
 <400> 14086

ngnggtnnng gantgtntng ccagnnncta cgccgggtca aaaccgggtcc anacttcccg 60
 gggccacca cgcgtccgca naaccgtttt catcggaaga agaacaagtt ggattgattt 120
 tgctttggat ctacatctg agatcagatt aatctctctg tgaagtcgaa gaacgaaacc 180
 ctagnccca tggatctctc ttcacgcttc tcatcgatcc ttatccttct cttgatctcc 240
 atctccatag cttcggtga gattcgtaaa tcagagatcc gatccgatga tcgtccaatc 300
 atcccttttag acgaattcgg tttcactcac agcggtcgtc ttgagcttga cgcttccaag 360
 atctggcttt ccaacagcaa tcccgatctc gatctctcca aagtgggctt ctttctctgc 420
 actagagacg cttgggttca tgtgatccaa cagcttgaag aagaagagat cacgtgcgct 480
 ctacaatcag atctcgttaa gcatgtgttc acctt 515

<210> 14087
 <211> 506
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-C2

<400> 14087

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ggntgnngna actcnagccg ntcgtaccgg tccangaatt cccgggggncc accaacgccg 60
ttccgaaaac cnctaggtga ctttaagagta aaaaatggta gaggcagagg ttgaagtaga 120
tgtggaaaatc aaatctacgg ctgataagtt tttcatgttc tctagaagat cacaacatgc 180
ctccaaagcc actcgctatg tacagggatg tgatctgctc gaaggcgagt ggggcgaagt 240
tggaagcata ctcttgtgga aattaactgt tgatggagag ccaaaagtgt caaaggatat 300
gattgaggcg attgatatga agatgaatat gatccagtgg aggggtgttag aggacacct 360
gaaggaagag tacaatatTT tctcgaaaac gatgaaagta agccctaagc aaggagggtc 420
tggaagtgtg gtgaagtgga acttgaagta tgagagaatt gatgagaagg tggctcacct 480
agagaagctc ctcaattctt cgtcga 506

```

<210> 14088
 <211> 510
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-C4

<400> 14088

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tccgaancat gggccaattt gcgatgcaaa acagagacat agtagccatt gctaaaacag 120
gctcgggaaa aactttgggt tacttgattc ctggtttcat gcatctccaa cggatccaca 180
atgattcacg aatgggcccc acgatcttgg tcttgtcccc tactagggag ttggccacac 240
aaatccaagt tgaagctctg aaatttggca agtcatctaa aatttcgtgt gcgtgtttgt 300
atggtggagc acccaaggt cctcagctga aggaaataga aagaggtgta gatattgttg 360
ttgcaactcc cgggcgactg aatgatatcc ttgaaatgaa gagaatcagt ctgcatcaag 420
tatcttacct tgtgctggac gaagcanata gaatgctgga catgggggtc gaacctcaag 480
atcagaaaaa ttgtgaatga ngttcccaac 510

```

<210> 14089
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-004-Q1-E1-C5

<400> 14089

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tcttcttggt ttctcattct tcttctaaaa aatcttgaca actttttggt tttgttttct 60
ttctctgaat tttttaaaga gagagagcta tgtagctatg aaacagtgga gagatataga 120
tatagagaga cagagaaaga tgatgatcag tgaagttagg ctaaaccac tttctattta 180
tgtataatta ggtcaatcac atcaccaatc tcctcctcca attctcctcc tctccttcca 240
aattctaggg ttttgcttgt atctcacccc ctttctcaat tccctaggga aactgtgaat 300
ttcatcaaat tccattattt tttgggcaca cccttaaaga gatctgagag ttctaaagat 360
gatgacagat ttatctctca cgagagatga agatgaagaa gaagcaaaag cccttaacag 420
aagaaagaaa ggagcgcgt 439
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<210> 14090

<211> 275

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-D1

<400> 14090

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gtccaanngt taaacacgtc ctgggtctgt gttcagtgtt cttggtaaaa catttgcagg 120
acatgaagtt cctatatcat gtcctgagaa tggaatctgg atgtacagtt tttgtctctc 180
ttaatgtaag aattctgttt aaatacagtt cacctctaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggcgg 275
```

<210> 14091

<211> 517

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-D11

<400> 14091

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```

acgcgtccga aaaatgatgt catcaatggc actctcttct acttcctct gctcttcttt 120
catctctcaa catccaaaac tctccatcac tgcttctcct ccattgttcc atacccaaac 180
aaccaaacc atctctgtaa aacggaaaat cataactcta gcagctccag agacactcac 240
cgctgaaaca gtcaccggaa ttgatacttc cgacaacact ccacaacaaa caataaaggt 300
ggtgaagcca gatgagaaat caagagtggg actcaagttt gtgtggatgg agaagaacat 360
aggattagga ttggaccaac atgtacctgg acatggcaca atcccactta gtccttactt 420
cttctggcct aggaaagatg cttgggaaga gcttaagtct actcttgaag ctaaaccatg 480
gatctctcaa gaagaagatg atcattcttc taaacca 517

<210> 14092
<211> 418
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-D5
<400> 14092

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tcgggttcat gagttgctcg attttccggg tcatacaaac cagatatact ctgcaatcta 120
cgagtgtccc aacgaccaca tcgaaaaccc taagaagaaa ccgtacaatt gtccacactc 180
aggagccaag tgtgatgtca caggagatat tcaaaggcta ctactgcac taaggaatga 240
tcacaatggt gaaatgagt atgggcgtag tttcagtcac agatatgttc atcatgatcc 300
taaacatctt catcatgcta cttggatggt aacacttctc gattgttgtg gtcgaaaatt 360
ctgcttgtag ttccaagcgt tcacctgagg aaaacaccaa tgtacatggn cttcatgc 418

<210> 14093
<211> 504
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-D7
<400> 14093

ntgngggaaa atnccnaccgc tncgggtaccg gtatncnaat tcccggggnc gacccacgcg 60

tcnnattttca agttctttttt tttttaacct tgccatcaat acaaccatgg caaggatttc 120
tctgttggtc tcttttagcct tagttctagc catcggtgcc gtcttggtc acggcaccta 180
cccacaagaa attacaaaag accttggtgc catctacttt gtccaaagt caagctttcc 240
cttaccttga agtctctagc ttcgtcgaga agaaggttca gttcgacca aaaaccattg 300
cgttcaagtc tttgttctcc atctgcaaga gctacatcga ctttcttggg ggcgttaagt 360
tttctgcctc cagagatgtg tttcacgtcg ttcattgtcaa attcactttg atgaccaagg 420
cgatgggttat tgcacaagca cacattggga gttgaaggag acctcgctgt taagttgggc 480
aaaagctaca ccgtgaatgg ctng 504

<210> 14094
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-B1

<400> 14094

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aggacaaaga gtttttggtg tcagtaactt caagctctaa gctatggctg tcaccaagat 120
ttatattgtg tgagtcttta aagtttaaac taatcagtgc caagttaaac aactggcgat 180
caatttccc atcaagagta atctgcgatt ttgtactact gactcacaca ggacgagatt 240
gaatcctcgt accagtttgg ttttgacgaa aaattgggtt cttggacttt tctgttaggt 300
actattcctt gcacggccac gtcgagacaa tggcacgaga ggtacttcgg ggagtaaact 360
ctgttccaga cgtggaagca acactttggc aagtccaag agacattacc ggagaaaaat 420
attggagaaa gtgaanggcg ttccaagacc ggacgattgc cgggatantc gaccagaaca 480
actgggcgga agccnaacgg 500

<210> 14095
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G7

<400> 14095
aattgctcat cgattctcaa ttcagcttca tgctttcgga tttgattcgt cgataacccc 60
aattttcttta caaagttgaa gtttttatgt cattttctggt tcgaaattcg ttgcaattgg 120
aatgagataa agtctctgaa tttgctatcg ctttgtttta ttcgttttct gttttttttg 180
agatgccatc gatgcttggt ctgctcgga caatgccgtc cttggcttct ctgggtagtc 240
taggtggtgc ttgtgcaagc gtttctggaa cgagttcttc ggatgcatcg tatgcttttag 300
ttaagagggt ttctttgtca aggagaagtg ttaaggggac taagaaatgg ctgtgtagat 360
attctgtttc gtcttcaact actactacta ctgctgactt caatgcngan caaaacaaca 420
actcaat 427

<210> 14096
<211> 434
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G8

<400> 14096
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caagtctgag aattttctac agaaacaaaa atctgattgt ttttcccact ttgcatctgt 120
tttgaggatg ccagctacgg attttcaagg atcatttgga aggtcgttgc taagtttacg 180
gcgagacca gttgactcat caacagtcgt ctccggaagt agtagccacc acgagccaag 240
caccatggag gttgagctag attcgtttca aagacaagtc gctgagaaat tcatcgatct 300
caacgcttct tcaaacgacc ttctctctct cgaatggatc ggaaagcttc ttgattcttt 360
cctctgttgt caagaagagt ttcgagctat cgtattcaac caacgatntc aaatttcnaa 420
atccccgatg ggng 434

<210> 14097
<211> 520
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G9

<400> 14097

nnnnngnaac tgttttcgctt gnccttaccg ggcccaaaat tcccggggaa cnacccacgc 60
gtccgcnac gcgtccgctc ctactgtgng agaagcatca tttgaggaac ggaangcaac 120
cctaagaatg nagcaagata tgcagagtga caattttaat atgtatgatc ttattgccta 180
tcgaataaag ttgcacctc atcctaaggc tggtgacaag tgggtgatct atccgagtta 240
tgattatgcc cactgcactg ttgattctct tgagaatata acgcattcgc tctgtactct 300
tgaatttgaa acccggcgtg cttcatacta ttggctgtta cattccctga gtctctacat 360
gccatatgtg tgggaatatt cacggttgaa tgtgacaaac actgtaatgt ccangcgtna 420
gttgaattac ntagtgacaa acacgtatgt tgatgggttg gatgatccac gtcntttgac 480
actttctggt ttgagacggg angggtgtga cttcaactng 520

<210> 14098

<211> 440

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-003-Q1-E1-H12

<400> 14098

gagaactgtc ctcatgtttt cccaaccctc tccgctattg gaaggacggg ttgggaaaca 60
atgaggagag aactgtcctt tctgtacagt cgtttctatg ggatccttct tggaggcatt 120
ttgataatgt accagttcca caactacatg cagccgatc tcttctcat gtactcat 180
tggataccac aaatagtcgc caatgttgtc cgggattcaa gaaagcctct gcacccatat 240
tacatcttgg gcatgacagc tacacgggta gctataccgt tatatgtttt tggatgcca 300
cacaacttca tgcgtgtaga gcccaacaag gtttggtgta tatgcttggt cacattcatg 360
gggttgcaag ccgtcattct tcttcttcag cattatcttg gttcacgctg ctttggtccc 420
cgtcagatgc taccagagaa 440

<210> 14099

<211> 492

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-003-Q1-E1-H8

 <400> 14101

 tt nangtgtc tcaccatttg ggtcaaaatn tcnttaggac cattgctatg gatggtactg 60
 agggctcttg ccgtgggnagg aangttctca acactgggtg tccaatcact gtacctgttg 120
 gnagagctac ccttgncgt atcatgaatg tgcttgaga acccattgac gacagaggcg 180
 atatcaagac cgagcattac ttacctantc acagatatgc tccngctttg gttgatctaa 240
 ccactgggca aaacatcctg tccactggta tnaaagttgt tgatcttcgt gtccttacc 300
 aangangacg a 311

<210> 14102
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-003-Q1-E1-H9

 <400> 14102

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 gttccactgc ttatgttttc gtttttcgtt ggttcagct tgttcaaact ccactgacga 120
 tcaacagatt caacaccatc accaccggaa atgggttggt ccctcaggcc acaaagtcac 180
 caccgtctca cttaacggcc acgtcagtt tcgctccgtc caagacgctg tggattccat 240
 accaaagaac aataacaaga gcatcacaat caagattgct cccggatttt acagagagaa 300
 agtgggtggt ccagctacaa aaccgtacat aacgttcaaa ggagctggta gggatgtgac 360
 cgctatagan tggcagacc gttgcgtccg accttggcgc taacgggtcaa cagtttacgt 420
 acctaataca accg 434

<210> 14103
 <211> 532
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-A11

<400> 14103

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ccgggtccac cnaecggtcc gttaaattatt ttttctgac tgagaaaaaa aatggcgaat 120
ggagctaata gagtggatct cgacgggaaa ccgatacaac cgttgacaat atgcatgac 180
ggcgccggag gtttcategg ttcacatctc tgtgaaaagc tcttgaccga gacgccacat 240
aagggtgcttg cgctcgatgt ttacaacgat aagatcaaac acttgcttga gcctgatacc 300
gttgaatgga gtggtcggat ccagtttcat cgtatcaata ttaagcatga ttcgagactt 360
gaaggctcttg ttaagatggc ggatctgatt ataaatcttg ctgcgatctg tactccagct 420
gattacaata cagtcctctt tgatactatc tacagcaatt tcattgatgc gcttccaagt 480
tgtgnaatac tgttcttgag aacaacaagc gtctcaatca cttttctaac tg 532

```

<210> 14104

<211> 223

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-A12

<400> 14104

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tttcaagatc gtccgcggcc gttggatcat gcccattcac gttcaagact gttgctctct 120
tctetaagaa aangccagct cctgctaagt ccaangctgt ctccgagact ancgatgagc 180
tcnccnagtg ggtatggtcc tgacaggaga antttcntgc ctg 223

```

<210> 14105

<211> 503

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-004-Q1-E1-A2

<400> 14105

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nntgnngaaa cttcctcccg nncgtaccgg tccatcaatc ccggggccca ccaagcctnc 60

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gnaaaagggtt gcagccacta aatcagatcc gacaatgccg aagcaaattcc atgagatcaa 120
 ggacttcctt ttgacggcga gaaggaagga tgcaaggctt gtgaagatca agagaagcaa 180
 ggacattgtg aagttcaagg tcaggtgctc aagggtacctc tacacactat gtgtcttcga 240
 ccaagagaag gccgataagt tgaagcagtc tcttcctcca ggtttgagtg tgcaagacct 300
 ttgaagatct tatgaaatca ggatctatca tggttttata tacccttgct ttagatgatt 360
 ttgttttttc cctttctgct gtcttttgaa tgactatgat tcagacttcc gttgagtttc 420
 tttcttataa cttcaagact aaattatgaa ttggatttgt antttttttt gctatcaact 480
 tggttagtaa tatatanggc ccc 503

<210> 14106
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-004-Q1-E1-A4
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tgccggagtcg ccggtatggc tttttactta ctaggtctaa cggagatcgt actcacagac 300

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6865

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<223> Clone ID: LIB25-002-Q1-E1-B3
<400> 14133

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aaaatcgatc tcaatcccat taaaggttta cttacatcag tccaagacac tgctttcttca 120
 gtggctagaa ccattttcaaa ccaaccacca ttgaagtttt ctctgcctag tgacaacacg 180
 cagtcgtggc tgctcacaac ttatctcgac aaggaccttc ggatctcgag aggcgatggt 240
 ggaagcgtct atgtgctcat caaagaagga agctctctct taaaccctta aatcatcata 300
 actctcatca catccatagt aacatatata caagtataga cccatctgtc tatgtttact 360
 aagtgttgta actgttatat ancttcttta ctgttgaga gttataaact 410

<210> 14134
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14134

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 tctccgaaga aatccaaagc aacgtcatcg ttttagctga ttaccttggt atctccgagg 180
 aacattctat cttccctact gtctccgta aggttacagc accttatggc accgtgttac 240
 accacaggga aaatacaaca aacggtcagt ttgcattcac aaccaagaa tcaggaactt 300
 tacttggcgt gtttttgagg ccgatgctaa aaatcatggg aacaaaagat tttaacatca 360
 acatcgactg ggaaaactgg gaatcgagc taaagattgg ggactccatt gctaagaaaa 420
 gaaaagattc ganggtggta g 441

<210> 14135
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-B5
 <400> 14135

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tacgaggtct tggatcgatc atgatacctt tggttcttgg tgttgtcggg gttacttatt 180
acgctgtcgt tttgactaat tatggctctg cactctctca aggtggcctt gattctcttg 240
ctgctctcac tatcttaatc ctcttccatt tcctcctggc aatgcttttg tggagctatt 300
tctcaagtgg tttttactga tcctgggtgt tgtgcctcct aattggagac catctactga 360
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a 421

<210> 14136
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-002-Q1-E1-B6
<400> 14136

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atagtactta tgacaacaac cgtcgtctcc tcctctctac cttcgctctt aacgtcacgg 180
ctcagaacgg ctacttcaat ggttcgttcg ggcttggtag agacagagtc tacgccatgg 240
ggatgtgcgc tccaggtgct gaacctgatg tttgctcaa ctgtattaag aacacagcaa 300
gaggggtttac tacagattct gtctaaacca agacggacgg tttctcatgg tcctgggtga 360
agaaaaccct ttgcccttgt tccgttactc taacaaatcc cttctccggg ctacttggct 420
tgggagcccg tctaatgaa 439

<210> 14137
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-B7
<400> 14137

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aacaaggctc caaaggcgat caaggagata aggaagtttg ctganaanga aatggggaca 180
aaggatgtga nagtggatgt taaattgaac aagcagattt ggagcancgg tntcagaggt 240
cctccgatga gaatcacaat cngagttgct cgtaagagaa ctgatgntta agatgcaaan 300
ggaagattcc tcctcncctt gtcactgttg cctgaaatcc cctgcctaaa ggactcctcc 360
tgggcctccg gnactaaaga ttcattgaac aaataaggat ttaaactatc cttattagtt 420
ancaaacaac catttggtta 439

<210> 14138
<211> 500
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C1
<400> 14138

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acgcgtccgn ggacgcgtgg ggcggaggtg taaaagggg ttttaccgga cggagagact 120
gtggcgatca agaagctgac gagacatgca aaggaagtag aagaacgagt cagtgatttc 180
ttatcggagc ttgggataat cgcacatgtt aaccatccaa acgcagctag gcttcgtggt 240
ttcagttgtg atcgcggttt gcattttgtg cttgagtact cttctcatgg cagtcttgct 300
tctctactct ttggatcaga ggagtgtttg gattgggaag aaacggtata aagtggctat 360
gggtatagct gatggtttga gttatcttca taacgattgc cctcgacgga ttattcaccg 420
agacatcaaa gcttccaaca ttttgctctc tcaagactac gaagctcana tttcggattt 480
tggaactaact aagttggctc 500

<210> 14139
<211> 420
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-C10
<400> 14139

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 tgttggcatt cttgagacag aggacatcaa agatctcaaa cctttgaatg accgagtctt 180
 tattaagggtt gctgagggcg aggagaaaac agctggaggg ttgttggttaa ccgagactac 240
 caaagagaag ccttctattg gcacggtaag tgctcacttg atatcatgtc cattcgggga 300
 atctgatact ttcttagtag cttgatgtga tagtcagttc atacacaagt tccaattata 360
 catattctcc tcttcatttt atggcaggtg atagcanttg gaccgggttc cctagacaag 420

<210> 14140
 <211> 492
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-C11

<400> 14140
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 gncacgcgt ccgagagaac atcccagttc ctctaaaact ggagactata nagaacanag 120
 gacacgaacg attcctgcag canatcagga canaccacc atctcctcaa tgcttctctg 180
 agaaccggac agctacattg aaacccttga ggaccaaacc tacggtagtg ttgaanagaa 240
 aggaagatga agctgaagaa aaaaagaaca gaaagagtgg agaaagcaaa gaancancan 300
 ggggattgga cgttctctgg ttcttaaagc cttgcacttt agccaactag annaccttca 360
 ccaaattctt tctatattga ttcattcttt tgtaatttc attttattca actgtaacta 420
 acngatgat tatcttgctc agntantaat tctgggcaaa tttgatcaat cgcttacttt 480
 tacacataca ag 492

<210> 14141
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-C12

<400> 14141
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ccgntcaatt gaaattcggtt ttcacgattc atccgccatt tttccgggga aaaaacaaaa 120
 ggtgagatca aagaggaaaa atggcgcata gggtagaaca ggattatgat tatttggtca 180
 agatcgtggt gattggtgat tctgggtgctg ggaaaacaaa catcttgtct agattcacia 240
 ggaatgagtt ttgtttggaa tctaagtcca ctattggtgt tgaattcgcc accagaactc 300
 ttcaggttga aggaaagact gttaangccc agatatggga cactgcatgt caagagcggc 360
 acagagctat cacaagtgtt tattacagan gagcggtagg tgcacttctt gtctatgaca 420
 tcactaaaag acaaaccttt gacaatgttc tgagggtgga cttgaactan gagacatgcy 480
 gattcaacat t 491

<210> 14142
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-C2

<400> 14142

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 ttggatcaat ggctatttca aatggtattt ctgtcttatt attattgctt gtactaatca 120
 atttaagcaa tcaaaatata aaaggaattg atgcatttca tcagatttac gaagaattgc 180
 aatctgaatc agtcgagtca gtgaatcatc ttcacagacc tagttttcac tttcaacctc 240
 caaagcattg gattaacgat ccaaattgtc cagtatacta caaaggcttc taccatctct 300
 tctaccaata taacacaaaa ggtgcggttt ggggtaatat tatatgggcc cattcggttt 360
 ctaaagactt ggggttaactg ggaaggctct tgaaccggct cctaatacctt caaaatggnt 420
 cgacatccgg agg 433

<210> 14143
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E2-G1

<400> 14143

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 caacttgaag catggaaatg ctcaaatcc tacatgggag gggggagaca gtattcttgc 180
 agattctggt actgagcagc ttgaatttat tgccctttcc cagaggacag gggacccaaa 240
 atatcagcaa aaggtagaaa aggttatttc aagtgcctnn aaaangtaag gancntccct 300
 gctgatngtt tacttccgat atatataaat cccgatncag ctaatccatc gccagtccaa 360
 cangtancat ttgggtgccca tggggangac aggcntttac cgaaanattt gcntcaaaan 420
 tttnggcgtg tttngggaan naancntcag ccagtggnga cncctgg 466

<210> 14144
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E2-G10

<400> 14144
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 tccggcggtt atactctgta atgccagatc cgcggtaacg caagtcagtg acctactccg 120
 gcgtttatca ctgaatccga ttatggctag tcttcttcca tccttaatcc ttttgctaata 180
 cgtgcaatca tttttgggtg cgatcgcttt cgggtcgaaa gaagttgaag aattcagcga 240
 ggcattgctc ttgaagcctt tacctgatcg aaaagtttta gtcacttcc acttcgagaa 300
 ccgagctcct ccgtcaaact cccatggccg ccatcaccat ctcttcccga aagctatttc 360
 tcagttgggtt cagaagtttc gggtaagga gatggagta tcttttactc aaggtcgatg 420
 gnaccatgaa cattggggag gatttgacct tctatcaagt atgaatgcga ancctgttgg 480
 tgtggagctg tgggctgtgt tt 502

<210> 14145
 <211> 460
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E2-G2

<400> 14145

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ctttttgttt tctcatcggt actacttatt tgatttaaaa ggtcttttgt gtgttctggg 180

ggtactattc tgttcaaact tattacaatg gatctatata aagttcggtt caggaagctc 240

ttagataatc atgttatcat ctttttttgt tctagcttcc cntaaaaang ttgcaggtcc 300

ctatgctaag ttatgaataa tgtagtttca nttaacctaa agccacagtc ttaaaaagtg 360

tcaagtacca aattattgaa cataatgnga ttccaggcaa taccngatg ttttgtgaan 420

antangggta aggctaatan caaacngtt cctgtnnang 460

<210> 14146

<211> 465

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-G3

<400> 14146

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gaaactctca agctcaacac cagaggagcc agaccacaac aagccagtcn aaggaaccga 120

nacagctaca agaccagcta ccaacgccga gctcatggca agtgccaang ttgtagctga 180

agctgctcaa gccgcagctc gtaacgaatc agacaaactc gacaagggtg aagtcgccgg 240

agcctctgct gatattcttag acgctgccga gaaatacggg aagttccggg aaantganaa 300

gagtancact ggtcagtacc tcgacaaggc tgagaagtat ctcaacgact acgagtcgctc 360

acactccacc ggtgctgggtg gtctctctcc tccgngagt caggctgaac cancangtca 420

gcctgagccg nnnngctaana aagagatgaa nagtctgggtg ggtgg 465

<210> 14147

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-G4

<400> 14147

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cttacctctt ttgatctctt ctctcctcat ctcttcgtc gctttctatg gattcttcgt 120

caaaccgaag cggaacgggc tccgtcacga tcggaaaact gtttctaccg tcacctccga 180

cgtcggatct gttaatatta ccggagatac tgtcgctgat gtcattgttg ttggagctgg 240

tgttgctggt tctgctcttg cttatactct tggaaagggg aanttaaacg ccgagttcat 300

gtgattgaaa gagatttata ggagcctgat cgtattgttg gggagttggt acagcctggg 360

ggttacctca agttactggg agttgggaat tggagattgt gtgggaanaa atagatgctc 420

ngggtgtgta tggttatgca cttttaaaan tggga 455

<210> 14148

<211> 451

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-G8

<400> 14148

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agatcaatgg atatgactcc aaaatcacca gaaccggaat ccgaaactcc gaccgggatc 120

caaccagcta aaccaatctc tttcagtaac ggaatcatca aacgccacca ccaccaccac 180

cacaacaaca acaaagtcac ttacaaagaa tgtctcaaga accacgcggc ggcgattggt 240

ggtcacgcgc ttgacggttg cggcgaatnt tttnaattgc cgtctccttc gtcaacacct 300

tccgatccaa cttctctcaa gtgtgcagct tgtggttgtc accgtaactt ccaccgccgt 360

gaaactgacg attccngcgg cgcgttnac caccgtggnc ttcttccatc ttcanngggc 420

aaccggcgca attgagtatc aaccncaggc a 451

<210> 14149

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-G9

<400> 14149

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ttacggctgg gtgtaaattc tctatcttta tcagttaaat tcattttcca atttaattga 180
gacaaaatga ttctgtgttg gcttaacagg gtcgacgaat ggaaggacc atcggaggaa 240
gctctcgccg gcggcagagg aatgttttgt gtagttccct tgacnaaaac tctgtttcag 300
acagcttcac aatcaatgaa ctcagctgtc aaatttctgg atatgaagtt tcagaaattg 360
gcaaatacta tgcacaatcc aagtggagat ttagggtaa aatcaaatgt gttggattaa 420
caagtacatg tgtttagtgt tggattatac gtctaaatct catctatgta ctttgttcaa 480
agtttttgct tgtgttca 498

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<210> 14150
 <211> 462
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E2-H2

<400> 14150

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gccgccgtcg tcaccgccgc cgaatccgat actccgacgg cttattcact cctccaaagc 180
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acaggcaaat tccatgcgta tttcaacgat tcatgtagct tccaaaaaaa tcttgttggc 300
tcttaccaat tgaattacaa atcaacaatc agtgggttaca tctccgagaa caagctcaag 360
aaattgactg gtgttaaagt caaagttttg ttcttgtggc ttaacatngt cgaggttatt 420
agaangggtg acganatgga gttttcccg tgggattaac at 462

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<210> 14151
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-H6

<400> 14151

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 ttctacaagg acacgtgtcc tcaggccgaa gacatcgctc gtgaacaagt caaactcctc 180
 taaaaacgcc acaagaacac cgctttctct tggctccgta acatcttcca tgactgcgcc 240
 ggnntttttga gtcattgtgat gcgtcgcttt tgctggattc gacaagaaga gagctaggag 300
 aagaaagaac acgacaggag ctccggactt anaaacttta ggtacatcga gganatnaag 360
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<210> 14152

<211> 125

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-001-Q1-E2-H8

<400> 14152

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 agaga 125

<210> 14153

<211> 499

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-002-Q1-E1-A10

<400> 14153

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 taacaaacat ctgaactggt gttatgaaac gaggattctc cgattctcct tcaagctctg 180
 ctctctctcc ttcttccaga ttcaaactta atcccgaagg tgattctcag tttctggaag 240

atgagactac aaagaatttt gcccggaag ttgctgatca ttacagtagg agaacaaacc 300
 aaacattgga agagcgagaa gctagtccca tcattcattt gaagaaactt aacaattgga 360
 ttaaaagtgt ttgatccag ctttatgctc gtcttgacga tgctgttctc gaccttgctt 420
 gtgggaaggg tgggtgattt gatcaagtgg gataaggcga naatcgggta ctatgttggg 480
 aattgatatt gctgaangg 499

<210> 14154
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-A12
 <400> 14154

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 accagccaaa ggtgctgata tccctaccta tgttatggga gtcaatgagc aagactatgg 180
 tcacgatgtc gctaacatta ttagcaatgc atcttgacc accaactgtt tggcaccttt 240
 tgctaaagtc ttggatgaag aatttggaat tgtcaagggg acaatgacaa ccacacactc 300
 ctacaccgga gaccaaaggc ttctaagatg catcacacag ggacctaagg cgtgcaagag 360
 ccgcagcact gaacatagtg cctaccagca caggagcagc caaggcgggtg tcattagtgt 420
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 cagtgggtga cttgttata 499

<210> 14155
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-A4
 <400> 14155

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aaatctctcc tcccgttgcc tgtggactgc ctgaatcaaa agacaatggc aacatgttct 180
 tcaagcttat tgggtgttacc aaatttgaga ttgagttcta accaaagacg caatttcaag 240
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 aacggttcgg tctctttgtc tactactgtt caaaacaaaa aaggggcaaa tgaagtgaat 360
 gggaaaggga aatccaagag aaagatagtg agtgatgaaa ttgagttgtt atgggatgat 420
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 gctgatgggtg gtcctccac 499

<210> 14156
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-002-Q1-E1-A6
 <400> 14156

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 agtgtggaag gcacattggt tctggggaaa gtttattcct gatgaagctg tcaatatggg 180
 tgctgctgag atgcaacaga agtccgtatg atgatgatca agaataaggt tttctttggg 240
 caataaagat ttatgagaaa agagaaagtg aataattctt gggatgaaat aaagaataat 300
 ttgtcaaaaa atgccttact tcctaaaaag aaanctggct ccgtccttaa ncttcaagag 360
 aacttaagct tcaattgggt tccttccttt ctccntttt ttaatgggtc ctntgttg 418

<210> 14157
 <211> 436
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14157

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gctcctaggg ctgtaactgg atatgctgga gccggtanaa gaagggtcac attggatcag 180
 caaggcccaa caattgtaca tcaaaagcca gggcctctgc agacgatatt tgatctctc 240
 ccggatgagg ttgtcgagca cagttattca tgtgccctgg agaggtcatt cctgtatcat 300
 ggccgaatgt atgtttccgc gtggcacata tgtttccact ccaatgtttt ctctaagcaa 360
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 ataaaccag ctatag 436

<210> 14158
 <211> 426
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-051-Q1-E1-A7
 <400> 14158

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 tctcttgaag agaagagtgt ggctaggaac attcgacacg gcggaaacag cggctagagc 180
 ctacgaccaa gccgcggttc taatgaacgg ccagagcgcg aagactaact tccccgtcat 240
 caaatcgaac gggtcaaatt ccttggagat taactctgcg ttaaggtctc ccaaatcatt 300
 atcggggaact attgaacgct aantaaggaa gaactgtaa gaccagacac cgtatctgac 360
 gtgtctccgc ctnacaacg acagctcaca acatcggcgt ctggcagaaa cncgcccgggt 420
 caaaaa 426

<210> 14159
 <211> 463
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14159

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 tattagcaat ggtggccggg atgctgcac tctaaaaact acaaattttg gttcgtccgc 120

gctggatttg gttaaaaaga aactacatga ttctggaatg cctgtctcat ctacgataac 180
atctgaagca aatagtggta aaacaactga ggtcacaccc agtggagaaa gtggaaatag 240
tacgggtaag gtgaaagatg ctcttgagac tggggccctt tccgattctt cttcagattc 300
ggaagatgaa gatagtggac catcgaagga agagtgttct aaacagttta aggaaatgct 360
gaaagagaga ggaatagcac cgttttctaa atgggagaag gaattgccaa aaattatctt 420
tgacccccgc cttaaagnaa tancaagtca atcccggtna aaa 463

<210> 14160
<211> 445
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-A11

<400> 14160
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acagtaagaa naaagaagaa ggctgttcac aagaccacta caaccgatga cangaggctc 120
cagagcactc ttaanagagt tggagtcaat tccattcccg ccattgaaga agttaacatt 180
tttaaggatg atgtagtcat tcagttcatt aaccctaaag ttcaagcttc aattgctgct 240
aacacatggg ttgtgagtgg tacaccacag acgaaaaaat tgcaagacat tcttcctcag 300
attatcagcc aacttggacc agataacttg gacaacctga agaagctagc anagcaattc 360
cagaaacaag ctccaggtgc aggtgatgtc caacaacaat ccaagaagag gacatatgat 420
gaagtccaaa tntttagtagt ggaga 445

<210> 14161
<211> 447
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-A4

<400> 14161
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cgcaatgatt accggagaat catcgtcaca aagatctatc ccaacgccgt ttctcacang 120

gaacgttttaa cctcgttgaa gatagttcca tcgacgatgt tatctcatgg aacgaagatg 180
gttcctcttt catcgtatgg aatccgacag atttcgctaa agatttgctt cctaaacact 240
tcaaacacaa caatttctct agtttcgttc gtcagctcaa cacttacgga ttcaaaaaag 300
ttgtaccgga tcgatgggag ttttcaaacg atttctttaa gagaggagaa aaacgtcctc 360
tccgtgagat tcaacgtcgg aaaataacaa cgacgcatca aacaattgtt gccctcgtc 420
gggacaacga aaccaagacg aagggtt 447

<210> 14162
<211> 855
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A4
<400> 14162

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catcatcgtc acatagatcc tcctttttcg ttaattgggg agagatatac tttcttttga 120
ggatcagatc gtgacagggg ttagctcaag gagagggtga gaaaaagaag aagaagggtga 180
gaaaagtga ggcaaggctt tgaggatgtc ttttacagga actcaacaga aatgcaaggc 240
ttgtgagaag actgtttatg ctgttgagct tctctctgct gatggagttg gatatcacia 300
gtcttgcttc aaatgcactc actgcaaaag caggcttcag ctgagtagtt actcatcaat 360
ggaagggtgt ttttactgta agcctcattt tgagcagctc tttaaggaga gtggtagttt 420
caacaagaac tttcagtcac ctgcaaaatc ggctgacaaa tcaactcctg agctgacaaa 480
ggacgcctaa ccgagttgct gggcaagggt ccctggtaca caaagagaaa atgccccaac 540
tttgtagta aaaactggtg ttancctaata tgaaaanggt aacaantcna agaaccacaga 600
catttcacia gtcccnngctt caaattgctc aaaatggaag gnttgcccaa atttcacnt 660
tccaaantaa cgcaagctcc ntnaaaggga atcccgggtta cngcaaagca ancaattttc 720
gcncaaacc cttcaanggg naaangggaa attttnaacc cacnttaanc caaatcccg 780
tttcaanaa aaancctttt gaaanccgna aaaaaattnc cccccgggt nttcaaaaa 840
aaccccccg nttccc 855

6882

<210> 14163
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-032-Q1-E1-H10

 <400> 14163

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 ggtgcatctc cggcggttct tgaaggaagc ttaaagatca atggctccag ccgtctgaat 120
 ggctctggaa gagtggcggt ggctcaaagg tctagacttg tcgtcagagc tcagcagagt 180
 gaggagactt ctgcgcggtc cgtgattggg cttgttgctg ctggtttagc tgggtggctcg 240
 tttgttcagg ctgtcctcgc cgatgctatt tcgatnaaag ttggcctcct ccagctcctt 300
 ccggtgggct tccctgggaca agataactca gaacaatnca agaaaacttt gcatttggca 360
 ttggaaanga canggtttta cttacaagcc atttgccaac caancaanaa agcctgcaag 420
 cctaataagc ccaa 434

<210> 14164
 <211> 206
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-033-Q1-E1-B8

 <400> 14164

gcttctatat gcaatagaga actatctata tctataaatc tatatcgact gaggaagata 60
 caaagcaatt gttctctctc tctagtagag ccttttgttt ctttttcaaa tcttttttga 120
 agtcctttgc ttaagattct tgtaatggcg ttaaaaaact tgaagaaagg aatattatta 180
 ttgttaaaaa aaaaaaaaaa agggcg 206

<210> 14165
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-050-Q1-E1-H1

 <400> 14165

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 ccgccttttc tgagcaaaac gtacgatatg gttgacgac cattgacgga cgacgtggtg 120
 tcttgagca gcggaaacaa cagcttcgtg gtttggaaac tgcctgagtt cgccaaacag 180
 tttctaccaa agtattttcaa gcacaacaat ttctccagct tcgtcagaca gctcaatact 240
 tatggtttta gaaaagttga tccagaccgc tgggagtttg caaacgaggg ctttttaaga 300
 ggccaaaagc anatactaaa gagtattgtc cggcganaac ctgcacaagt gcaacctcca 360
 aaacaanctc aagntcaagc aactcaacct gtgggttgcg ttgcgttga ngtgggcaaa 420
 nttggactcc aaanaaggaa ntggaaaaga gcttcagcgc gnataa 466

<210> 14166
 <211> 439
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E1-A10
 <400> 14166

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 tcccagaccc gccgcgcgcg ccaccaccac cgcacccaaa gccgtatgct ctacgatata 120
 tggcggatct tcttgcccg atttggtataa tggatacaga caaagatggg aacatcagcc 180
 cacagagtcc gaggagtctt aggagcccaa gaaacaacat tctcatgggg aagtacgagc 240
 ttgggaagct tctcgccac ggaacctttg caaaggttta tttagctcaa aacatcaa 300
 ctggagataa agtcgccatt aaagtcacg acaaggagaa gattatgaag agtgggttgg 360
 ttgtcacat caaacgggaa atctctatcc tccgccgtgt ccgtcancct tacatcggtc 420
 atctantcna gggtanngg 439

<210> 14167
 <211> 502
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-001-Q1-E1-A9
 <400> 14167


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<223>      unsure at all n locations
<223>      Clone ID: LIB25-001-Q1-E1-B11

<400>      14169
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catatatgtt tattgtagca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa  120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaangggcgg  180
ccgcccnaaa ggntcnaanc ttacttacnc gt                                   212

<210>      14170
<211>      280
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-001-Q1-E1-C11

<400>      14170
gccgttcaag aagcgatgtt cttggatctg gtactggaac ttatggacat ggaagtataa   60
tgcgaggagg tggtatatct cgggccaac ctaccaacac cggaggagga tccanctcgc  120
cggtaaagtgt cggtagctct antataagta ntagtactgt tgctacggga gagactccta  180
tatggaaaan agcgatttta ggttcggatt canangaagt gaacagagta gggaatgaan  240
tgtatacgaa aggtttgttt aatgangctt tgaanttgtg                                   280

<210>      14171
<211>      432
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB25-001-Q1-E1-D11

<400>      14171
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cgtgagatgc cgtgtaaaca ccttttccac gacgattgca tcgtaccgtg gctatcgatt  120
cgaaactctt gtcccgtgtg cagattcgag ctaccttcag agcctaatacg acgngngaac  180
aacaacgagg aggataacgc cgtggggatg acgatttgga gacttcccgg tgggtggattc  240
gccgtaggga ggtttaacgc agcaatgaga gacggagaga gagttttgcc agtgggtgtta  300

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acagaaatgg atggtggtgg gattggtaat agccaggatg gtcctagacg gatctcatgg 360
 gttangtcac acggtacact cgaatcggat agtaacggta ctggctcaag ttccggnctcc 420
 cgngngaaaa tt 432

<210> 14172
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-H10
 <400> 14172

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 cactcctctc ttcttggccc acgtgttcat caatctctcc ctccgcatgt aatcgcttcg 120
 ccgtcaatat cacatctttc ttcttcttta tctttaaaat ctcttttagat cgattctttt 180
 gtggattctt gaaatctccg gagaaaacca ctatggagac ggcgactgaa gtggccacgg 240
 tgggtgtcaac tccggcggtt acggttgccg cggtggcgac gaggaagaga gataagccgt 300
 ataaagggat aaggatgagg aagtggggga agtgggtggc ggagataaga gaggctaata 360
 aaaggtcaag gatttggctt ggctcttact ctactcctga agcggcgccg cgtgcttacg 420
 acacggcggt gttttatctc ccanggtc 448

<210> 14173
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-008-Q1-E1-B10
 <400> 14173

ccggtttctt accaattcgc cattctacaa cagacanaca acataagccc aagaccaaca 60
 actaccggct ttctctattc cggcgccgga nactactccc agatgtttga cgcantagaa 120
 gacnacggaa gtctagagga cctcggcggc gttggacacg cgtcttctan ggcggcgag 180
 aaaaaacggc ggttgggtgt agagcaagtg aaagcgtag agaagaatth cgagattgat 240
 aacaagttag agccagagag gaaagtgaag ctggctcaag agcttgggtt gcagccacgc 300

caagtcgcga tctggtttca nanccgccgt gctcgggtga agacaaagca gcttgaacgt 360
gattacggcg ttcttaagtc aaactttgat gcactcanac gcanccgcga ctgccttnaa 420
cgcgagaac 429

<210> 14174
<211> 393
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-026-Q1-E1-G5
<400> 14174

gtgattgtgt tgtaaagat tccgcaaact acttgatca cataaatggg aaaaaacatc 60
aaagggcatt ggggatgtct atgcgggtgg agagatcgtc acttgaacaa gtccaagagc 120
ggttcgaggt tttaaagaag cggaaagcgc caggaacttt cacagaacaa ggtaagactt 180
ctgagaggaa ccatctctta gttatgtant ttgatgtatc ttcagaaata agaaactatt 240
ctctggaaaa aaagctagan canatctaag taggttgga aataacattg angttgcgac 300
ttagtcntca tctaatacat gggtanattt gggataactg nattttgggtc ctgatctggg 360
aacagatctg gaataacgca tccgaanaca gca 393

<210> 14175
<211> 439
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-027-Q1-E1-B6
<400> 14175

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ctgattcagg ttggattgat catcgttcgg agtccggga aacatggcgg cgacgagaca 120
attnggaact ctccaatctc agcctgaaaa caaggtatgt gtcgattgcg ctcagaagaa 180
tcttcaatgg gcgtcggttt cgtacggaat cttcatgtgt ttggaatgct ccgggaaaca 240
ccgaggctta ggcgttcaca tacccttcgt cagatccgta accatggatt catgggtctgc 300
gatccagatt aagaaaatgg aagctggtgg taacgaacgg ntcaacaaat tcttcgcgca 360

atacggaatc gctaaggaga cagatattat ctccaaagta caattcgaac gctgcntctg 420
tgtatcctga ccgggtnc 439

<210> 14176
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-041-Q1-E1-G10

<400> 14176

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acacaacat gactgtttct tcctctccat gggctctcat ggctctcttt ctaatggttt 120
cttcaacaat ggtaatggct attcctccac gcaaggccat tgatgtacca tttggctgta 180
actacgtccc aacttgggct tttgaccacc agaaacagtt caatggcgggt tccgaacttc 240
agcttatcct cgacaaatac actggcacag gatttcaatc aaaggggtca tatttgtttg 300
gacatttttag tatgcacata aagcttccag ctgggtgacac agccggagtt gtcacagctt 360
tctatctatc atctancaac aatgagcatg acgagataga cttgagttcc ttggaaacag 420
aacaggacaa ccagctatat tacaagacaa atgtattcac aagaaggaaa nggaaac 477

<210> 14177
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-047-Q1-E1-C1

<400> 14177

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tgagaccgcc acttaaggcc gtctctcccg ctctatccat atccaaaaca gctataaaga 120
taaacttcca gagcttgggtg aaggagcagc aaccctagtt ttcaatccct aaagatatta 180
gttctccagc gagttgacac aaaacccgat tacgtttcat ccggcgactc gctttgatat 240
tccatggatt ctgagttgaa tccttccaag agacgcaaga taagtgtcag gcacagatgc 300
gttgcggtgct ataagatgtt caatagacga gaacacctcg ttgagcacat gaagatttcc 360

taccactcac ttcagcagcc tcgctgtggg gtttgccctca agcactgtaa atccctccga 420
atccgtgagg gaacacttaa cgttcagacc 450

<210> 14178
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-049-Q1-E1-E1

<400> 14178

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ggagctccgg gaaacatggc ggcgacgaga caattacgaa ctctccaatc tcagcctgaa 120
aacaaggtat gtgtcgattg cgctcagaag aatcctcaat gggcgctcggg ttcgtacgga 180
atcttcatgt gtttggaaatg ctccgggaaa caccgaggct taggcgttca catatccttc 240
gtcagatccg taaccatgga ttcattggtct gcgatccaga ttaagaaaat ggaagctggg 300
ggtaacgaac ggctcaacia attcttcgag caatacggaa tcgctaagga gacagatatt 360
atctccaagt acaattcgaa cgctgcttct gtgtatcgtg accggattca agctttanct 420
gaangtagac catggaatga ttcgccagtt gttaaggaag cga 463

<210> 14179
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-052-Q1-E1-D1

<400> 14179

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ttgagcttgg gaagtatgag attgagacgt ggtacttctc tccttttctc ccagaatata 180
atgactgcgt gaagctcttt ttctgtgagt tttgcctcag ttttatgaag cgcaaagagc 240
agcttcaaag acatatgagg aaatgcgatt tgaagcacc ccctggggat gaaatctatc 300
gaagctctac tttgtcaatg tttgaggtgg atggcaagaa gaataaggtc tatgcacaga 360

acctctgtta tctggcaaaa gttatttctt gaccacaaaa ctctttacta agacgttgat 420
 tgttcctggt tccataatcc nctgtgaatg gtgatgatng ttggatgccca catngtttgg 480
 atacntttca aaaggganaa acactca 507

<210> 14180
 <211> 450
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-041-Q1-E1-C8
 <400> 14180

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 agaatattaa caacaaccaa gattccaaga aaaaagagcg tcatattgtt acttggtcac 120
 aagaggaaga tggtatacta agagaacaaa taactctaca tggaactgaa aattgggcga 180
 tcattgcatc aaagttcaaa gacaaaagca caagacaatg cagaagaaga tggatatacat 240
 acttaaaactc tgatttcaaa agaggagggtt ggtcccctga agaagatatg cttttgtgtg 300
 aggacaaaag agtatttggg aatagatgga ctgagatagc aaaggtgggt tcaggcagaa 360
 ctgataatgc tgtgaagaac aggtttacaa cactttgtaa gaagagagcc aagcatgaag 420
 ctatgactaa agacagcaac tcaaacacca 450

<210> 14181
 <211> 448
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-042-Q1-E1-B10
 <400> 14181

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 cgggatgggt gctcctaagc agaaatggac tcaagaagaa gagtcagctt taaagtctgg 120
 agttataaag catggacctg gtaaattggcg cacaattctc aaagatcctg aatttagcgg 180
 agtcttgtag ctgcgttcca atgttgatct taaggacaaa tggagaaaca tgagtgtcat 240
 ggcaaatggc tggggatcgc gcgaaaagtc taggttagct gttaaaagga cgttctccct 300
 tcctaaacag gaagagaact cactagccct aaccaattct ttgcaaagtg atgaagaaaa 360

tgtggatgcg acctctggac tccaagtttc ttctaactct cctccaagga gacctaattgt 420
aagggttgga gccttatatg gaagcaat 448

<210> 14182
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-D11

<400> 14182

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agaaaagatc taaagaataa acaagagccc taatatcaaa tcacaaccaa aaaaaccaa 120
gaaagctaatt taaagttttc tctctagcta ttctcttctt tttcttggtc ttgaaaacta 180
gggtttactt caccaaaaga taagatcttt cccagaaaa agcaataccc aagtcattgtt 240
tctgtgtgtc tgtatataga taaaacatta cataccctaa taaggttaca caaatagcta 300
taaaagaggg aaaataagat agggattttt tggggtgagg aaagatggga agaggaagag 360
tagagctcaa gaggatagag aacaaaatca acagacaagt gacgtttgct aaacgtagaa 420
atggtttgct gaaaaaagct tatgagcttt ctgttctctg cgatgctgaa gtctctctca 480
tcgtcctctc caaac 495

<210> 14183
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-C11

<400> 14183

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aaaacacaa gaatcgacaa gttacattct ccaaaagang aaatgggtct ataaagaaa 180
cttatgaatt gtccattctt tgtgacatcg acattgctct cctcatgttc tctccctctg 240
atcgcccttag cctcttttct ggcaaaacaa ggattgaaga cgttttctct agatacatca 300

atctttctga tcaagaacga gagaatgctc tagtattccc cgatcaaagt cgacgcccag 360
 atttccagag caaagagtat ctactccgga ctttgcagca actcaaggct gagaatgata 420
 ttgctcttca acttancaac cctacagcta tcaactccga cgtcgaggaa cttg 474

<210> 14184
 <211> 466
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-022-Q1-E1-G4
 <400> 14184

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 gagtgggtgac gttctcaaag aggaggaatg gattgggtgaa gaaggctaaa gagatcacag 120
 ttctttgtga tgcaaaagtt gccctcataa tctttgcaag taatggtaag atgattgatt 180
 actgttgtcc ttccatggat cttgggtgcta tgttggacca ataccagaag ttatctggca 240
 agaaactatg ggatgctaag catgagaacc ttagcaatga gattgatagg atcaagaaag 300
 agaatgatag cttacaactg gagctcangc atttgaaggg agaagatata cagtctctca 360
 actttgaaaa atctgatggc tgtccagcac gccaatgaa catggcctcg acaaagtccc 420
 gagaccacca gattggagat tccttatatc aaagaggaga aattga 466

<210> 14185
 <211> 452
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-033-Q1-E1-F9
 <400> 14185

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 tggatacggc tacgtcgtaa gatcagtggg cgttgattct aaccggcaag ttttgacggc 180
 gaagcttgat ctgataaaac catcgtccgt ttacgcacca gatattaaat cgcttaatat 240
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aagatgggag ataccggaaa ccgttattcc ccgtgccgga aaccaactcc cctcgccggtt 360
tctcaagggg gggaaaacgg gggaaactcc ccggganaaa aatttcttan caaattcccc 420
aacggacttg ggtttcaccc ccaaaaaaaaa ag 452

<210> 14186
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<212> DNA
<213> Arabidopsis thaliana
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aatcggggat tttcagattg tgtttttgag aggtttttat aggaaaatat ctctagaaga 180
agaagaataa tattatattg attttaattt tggtgagaag aagtcaaaaa gtcaacgaga 240
aatgggggtcg ttgcaaatgc aaacaagtcc tgaatccgat aatgatccga ggtacgccac 300
ggtgacggat gagaggaaga ggaagagaat gatctctaac agagaatctg ctcggagggtc 360
aaggatgagg aaacagaagc aacttggtga tttgatcaac gaagtcactc ttctcaagaa 420
tgataacgct aaaatcactg agcaagttga t 451

<210> 14187
<211> 360
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-104-Q1-E1-B12
<400> 14187

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gtgtgatgct agggtttcga ttatcatggt ctctagctcc aacaagcttc atgagtatat 180
cagccctaac accacaacga aggagatcgt agatctgtac caaactattt ctgatgtcga 240
tgtttgggcc actcaatatg agcgaatgca agaaaccaag aggaaactgt tggagacaaa 300
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-074-Q1-E1-F8

 <400> 14188

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 caagctcact gttggaaatg ttgaccgga cgttcgagtt atgaccgta agagtgtgga 180
 cgatccagga gagcctccgg ggattgtttt gagtgtgccc acttctgttt ggctacctgc 240
 tgcaccacag cgtctgtatg atttcttgcg gaacgaacgg atgagatgcg aatgggatat 300
 tctatccaac ggtgggtccca tgcaggagat ggcccatatc accaaaggtc aagatcacgg 360
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<210> 14189
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-100-Q1-E1-G12

 <400> 14189

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 agaaattgaa ttctttgctc aataaaaagg atactatcat tgaagagatg aagaaagagc 180
 ttcaagaaag accatcagca aaattagttg atgatttgcg caaaaaagtg aaaattctgc 240
 aggctgtagg ttacaattca attgaggctg aagactggga tgctgctacc actggtgaag 300
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 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-088-Q1-E1-C12

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agaagaaatg gttttattcaa gaaagcacat gagctcacgg ttttgtgtga tgctaggggtt 180
tcgattatca tgttctctag ctccaacaag cttcatgagt atatcagccc taacaccaca 240
acgaaggaga tcgtagatct gtaccaaact atttctgatg tcgatgtttg ggccactcaa 300
tatgagcgaa tgcaagaaac caagaggaaa ctgttgagaa caaatagaaa tctccggact 360
cagatcaagc agaggctagg tgagtgtttg gacgagcttg acattcagga gctgcgtcgt 420
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<210> 14191

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-098-Q1-E1-F9

<400> 14191

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ccgacgtttc tccacgtga tcagaatgtc agcctcttcc tcaccgctc ctccaaccac 180
cgccacctcg aagtccaaga agggaacgaa gaaagagatt caagagtcgc ttcttactcc 240
gaggttctac acgacggact tcgaggaaat ggaacagctt ttcaacacgg agatcaacaa 300
gaaccttaac gaagcagagt tcgaggctct gcttcaagag ttcaagaccg attacaacca 360
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<210> 14192

<211> 349

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-024-Q1-E1-B1

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 ttccttcac c aagacctca agaggattcc tttggttact tctttagcct ctgagatcct 180
 ggctgcttat ctcatgcctc ctggtgagtc tggctctggt gatttcgccg agtttgagcc 240
 taatcttgtc tattagtagc tgcaatgtca agtcttgagt ttacggctgg ttcttgattt 300
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 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-025-Q1-E1-A12
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 aaagctctcc ggagctaata gagttgatag gagacaagta ttttaaggaag cttaccggga 180
 tatttagaca agcagctacc aagtatcaga gagctacatg ggtcagggtg ttgaatagct 240
 tgagagatga aggattacat gtgagcggaa gcttctcttc cgggtgtatcg aagagtgcct 300
 taagagagag gtttaaagct ttcaatacaa tgtttgaaga gggtcacagg attcaatcga 360
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<210> 14194
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
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 <400> 14194

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 aatcctccgc cgctgcagac gacggagaat ctacgacggc gtgtgggtgt tccgtctcct 180
 ctctctctaa tgttctgtga gattcagagg aatacagagc atttctcaag agtaaaactta 240

atcttgcttg tgctgctgtc gccatgaaaa gggactcac tactctgctc angtttgaat 300
 tttttttttt ttcatagaac aagaaaaaca aaaacttttt atctgtagt ttgatgagtt 360
 cacttgaagc taagaaacta atcttgtttt gttatgtttg agtgtaaga tcntattgga 420
 ccttttgta 429

<210> 14195
 <211> 383
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-040-Q1-E1-F10
 <400> 14195

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 cacatctggt tcaatcatgg cggagaatgg tgaagagaag ttacttgctg ttgcgcgtca 120
 catatccaat aacttgggc acaatgaatc catggtcgat gatattctac atatcatctg 180
 caacttcgac ggcagatttt ctgctagaa gctcgccaaa ggtcaagctg gtgaatatgg 240
 atccggagtc gccacactcg agcaagctcg aaattcaata tacggtcaga tgactcgctt 300
 tgttgctgcy gactaatcaa tttgggctga tcctgcagat tcagctgctt tcctcgatac 360
 agtcgatgag ctggttgcaa tca 383

<210> 14196
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-040-Q1-E1-E1
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 aaggctgaca ttgagacatt aagagctaag gtgaaaatgg cggaagaaac cgtgaagaga 180
 gtaacaggaa tgaatccgat gcttctcgga agatcaagtg gacataacaa caacaacaga 240
 atgccataa ctggtaacaa caggatggat tcttctagca ttattccagc ttatcaacca 300
 cactcaaacc taaaccatat gtcaaaccaa aacatcgga tccaacat tctacctca 360

agactcggaa acaatttcgc tgctcctcca tccaaaacag ctctccttgc 410

<210> 14197
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-074-Q1-E1-H2

<400> 14197

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gataaatatt tgatgtggca aaactcttgt ggatcttgat gttcaaaca tcatgtctcc 180
ggtgattagt gaaatcctta gatctgggtt aactatagac tcgtctctta gacgcaggac 240
ccatcttggt caatctttct cgcgcgtctt tctctactgg ttctatgttt tctcataaat 300
cagctctcct tttagcgcttt attattagat attctataac cataataata tattaaaact 360
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<210> 14198
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 14198

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gtttccgcct ttgtggaaaa aacaacaaat agcaaaggac aggtggtgga tgtgtctgac 180
aagcttacct cgcttcttgg gtttggaatc aatgagccat gggttgagta tttgtccaac 240
accaagttct acagggcgaa cagagataag ctcagaacag tgtttggttt ccttgagag 300
tgctgaagt tggtggatcat ggacaacgaa ctagggagtc taatgcaagc tttggaaggc 360
aagtacgtcg agcctggccc cggaggtgat tccatcagaa acccaaaggc cntacaacc 420
ggtaaaaaa tc 432

<210> 14199
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 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-086-Q1-E1-D5

 <400> 14199

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 catgagctct tccgatatct caactttatg gcctccggcg tgcagacaaa ccacgacggc 180
 gacgactgaa acaactccga cgccggcgat 210

<210> 14200
 <211> 202
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-097-Q1-E1-H11

 <400> 14200

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 gtgaagaaga taaagcaaac ccgagacgga gatcgagttc gccgccgttt tctactccgg 180
 cggatcagga gtacaggaaa aa 202

<210> 14201
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-058-P1-E1-A2

 <400> 14201

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 taacactttc tcccgagaac ttaatttttc gacgtcaagt tctactttag tgaaaccaag 120
 atccggcgag atattaaact tcggcgatga aggtaaacga agtccggaa acccggatcc 180
 aagttcttat tcgggtcaaa cacaattcga aaacaaaaga aagaggtcga tgggttttgaa 240

cgaagataaa gttctatcat tcggagataa aaccgccgga gaatcagatc actccgatct 300
 agaagcttcc gtcgtgaaag aagtagcagt agagaaacgt ccaaagaaac gaggaagaaa 360
 gccagcaaac cgtagagaag agccactaaa ccacgtcgaa gcagaga 407

<210> 14202
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-019-Q1-E1-G7
 <400> 14202

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 cagtgggtgg tctcatctct ttatgtccta caacttcac agatgagcag agtccgagga 300
 gatacggtgg gagagagttt cagtcgatgc ttgaaggata cgaggaagaa gaagaagcta 360
 tagtagaaga aagaggacac gtgggcttgt cggagaagaa gagaaggtta agcattaacc 420
 aagttaaagc tttggaga 438

<210> 14203
 <211> 344
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 <400> 14203

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 agattcagtg ggtgggtctca tctctttatg tcctacaact tccacagatg agcagagtcc 180
 gaggagatac ggtgggagag agtttcagtc gatgcttgaa ggatacgatg aagaagaaga 240
 agctatagta gaagaaagag gacacgtggg cttgtcggag aagaagatan aggttaagca 300
 ttaacaagtt aaagctttgg agaagaattt tgagtttagga gaat 344

<210> 14204
 <211> 442
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-045-Q1-E1-F7

 <400> 14204

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 tgacttttac gacgaccagt tgctgaaaa gaagcgtcgc ctactaccg aacaagtgca 360
 tctgctggag aaaagcttcg agacagagaa caagctagag cctgaacgca agactcagct 420
 tgccaagaag cttggtctac ag 442

<210> 14205
 <211> 381
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-101-Q1-E1-H2

 <400> 14205

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 ttggtgttga ttggtattag atgactatct cttagtatta gtcaattctc tgtttccatc 180
 ttatatggat agtctagaca cagagcaaag atccttcttt ggagaaaaag aagatgagag 240
 acgagagagg atcgtttctt cacgtattgg tcgtagatag atcttaatcg ataaccatct 300
 aggcccttgat ctaaccattc aatataaact ttatttctct cttcttttcg atctcaattg 360
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<210> 14206
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<212> DNA
 <213> Arabidopsis thaliana
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 gagcaaccac aacaagaaca atcagagaag gtttagcgac gagcagatca agtcactgga 180
 gatgatgttt gagtctgaga caaggcttga gccaaaggaag aagggttcaat tagctagaga 240
 gctagggttg cagccgaggg aagtggctat atggtttcag aacaagaggg ctcggttgaa 300
 atccaagcag ctcgagactg agtacaacat tctcagacaa aactacgaca acttggcttc 360
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<210> 14207
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 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-087-Q1-E1-A9
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 caacaagaac aatcagagaa ggttttagcga cgagcagatc aagtcactgg agatgatggt 180
 tgagtctgag acaaggcttg agccaaggaa gaagggttca 219

<210> 14208
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-031-Q1-E1-D12
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 ttctccaccg tgatcagaat gtcagcctct tctcaccgc ctctccaac caccgccacc 180

tcgaagtcca agaaggggaac gaagaaagag attcaagagt cgcttcttac tccgaggttc 240
 tacacgacgg acttcgagga aatggaacag cttttcaaca cggagatcaa caagaacctt 300
 aacgaagcag agttcgaggc tctgcttcaa gagttcaaga ccgattacaa ccagacacat 360
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 a 421

<210> 14209
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-026-Q1-E1-C2
 <400> 14209

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 ccaaaatgac atcttctctg tcaacttact cctccttcgt accttccttc gctgatctct 180
 ccgaccgagg tttgatcagt aagaactctc cgaccagtgt ttccatttcc aagggttccaa 240
 cttgggagaa gaagcagatc tcaaactcga actctttcaa gctgaattgc gtgatggaga 300
 aaagtgtcga tgggtcaaact cattctaccg ttaacaatac cactgatagc ttaaatacta 360
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<210> 14210
 <211> 392
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB23-024-Q1-E1-F5
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 ggagctgcta gagagaaaag cctcagagac tttcaagtta aacaaaaagtg agaaaaaatt 180
 gacctgtgta atgaaattcg gtggctcatc agtggcatct tcttataaag gatgatacaa 240

gttgccaaac tcatactcag cttcgcagat gagatagctg ttgttgtgct atcagcaatg 300
gcaaagacca ccaataagct tttgatggct ggggagaaag ctgtttgctg cgggtgcacc 360
aacgtcgaca ctatcgaaga gttgagctat at 392

<210> 14211
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-062-Q1-E1-F6
<400> 14211

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ctgtaccatt tgctgagatc acaacacgca agtctcttag atttagcaag cttatggctt 180
cattgcagtt gtacggagtt aaaactccag ggcttgcttt aagttcaaag aggcttgagt 240
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acgtagagca ttctttagg aatatagggt tgagagttag ttgtgaagct ctaagagtcg 360
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<210> 14212
<211> 277
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-025-Q1-E1-E9
<400> 14212

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ggctccgggt ttcactgccg ttctgatccg gatcacttct gttctcccggt ctgtggatca 180
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<210> 14213
<211> 217

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-086-Q1-E1-H11
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 ttgatatctg gagaaagggg tttctggaaa caaggagttc ataattcgcg atcttgatct 180
 atcgatcttc atttatatat aaaagcgtga atgagat 217

<210> 14214
 <211> 221
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-096-Q1-E1-H8
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 gcgtgcaccg atcttcataa tatagttata gctttcttta ctttccagtt tataattttc 180
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 aatagactct acaggtgata cacagaagtc catcagtagt aattccttag tttacgaagc 240
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 <223> Clone ID: LIB25-093-Q1-E1-A10

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 atctatc 187

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 <223> Clone ID: LIB25-084-Q1-E1-E10

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 <223> Clone ID: LIB25-116-Q1-E1-A9

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<223> Clone ID: LIB25-104-Q1-E1-B5

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gatatctgga gaaagggggt tctggaaaca aggagttcat aattcgcgat cttgatctat 180
cgatcttcat ttatatataa aagcgtgaat gagattatga tggagtcgaa aggtggtaaa 240
aagaagtcca gcagtagtag ttcttattt tacgaagctc ccctcggtta cagcattgaa 300
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tctggaaaca aggagttcat aattcgcgat cttgatctat cgatcttcat ttatatataa 180
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ttcttattt tacgaagctc ccctcggtta cagcattgaa gacgttcgtc caaacgggtg 300
aatcaagaaa ttcaaattt ctgtctactc aaactgctcc aagatgccat cctgagtacc 360
agcgtgcacc gatcttcata atataatt 388

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 <223> Clone ID: LIB25-083-Q1-E1-D10

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 tatctggaga aaggggtttc tggaacaag gagttcataa ttcgcgatct tgatctatcg 180
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 acgttcgtcc aaacggtgga atcaagaaat tcaaactctc tgtctactca aactgctcca 360
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<223> Clone ID: LIB25-038-Q1-E1-E1

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aattcgcgat cttgatctat cgatcttcat ttatatataa aagcgtgaat gagattatga 240
tggagtcgaa aggtggtaaa aagaagtcca gcagtagtag ttccttattt tacgaagctc 300
ccctcgggta cagcattgaa gacgttcgctc caaacggtgg aatcaagaaa ttcaaactctt 360
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<213> Arabidopsis thaliana

<223> Clone ID: LIB25-031-Q1-E1-D10

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atatctggag aaaggggttt ctggaaacaa ggagttcata attcgcgatc ttgatctatc 180
gatcttcatt tatatataaa agcgtgaatg agattatgat ggagtcgaaa ggtggtaaaa 240
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<210> 14225

<211> 444

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-050-Q1-E1-F4

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 tacagcttca gagttgggag aaaactgtag actgttacag tcctggacag ggtttgatgc 180
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 atanat 366

<210> 14229
 <211> 487
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
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 caactggatt tcacaaactc caacttttaa tccaacctca accgtcagat atcaacgggt 360
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 <211> 516
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 <223> Clone ID: LIB25-002-Q1-E1-D4

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<223> Clone ID: LIB25-012-Q1-E1-G10

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<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-062-Q1-E1-A4

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-117-Q1-E1-G6

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gaaanttggg tTctagaaca tgctaagctc aaggcaagag ttgaggtact tgagaagaac 120
aaaaggaatt tTatggggga agatcttgat tcgttgagct tgaaggagct ccaaagcttg 180
gagcatcagc tcgatgcagc tatcaagagc attaggtcaa gaaagaacca agctatgttc 240
gaatccatat ctgcgctcca gaataaggat aaagccttgc aagatcacia caattcgctt 300
ctcaaaaaga tTaanggaga gggagaaaga aacnggtcaa caagaaggnc aattaatcca 360
atgctccaac tTctcctcaa tTctctcgcc tcaatactgc gtaacctcct ccananatgg 420
ctttgtggan anaattgggg gaaaaaacng tgggtgc 456

<210> 14243
<211> 60
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-D9

<400> 14243

tattcataaa cccttganga aacangactc tTctctctct atctctgtcc ctttcttaca 60

<210> 14244
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E2

<400> 14244

tctcnagtga agaatccgcc atggctgttc catttctaaa gctcttctct acaactcaca 60
cccanttctc cgattccctt cactaaagta acaccaacac caataatcca caaccacaga 120
tnaacatgca ctataccac aaagcctcgt ctacgtctcc tccgccgctc cgccgctcgt 180
ggaaccgccg tatctgatna aacagaagga ggtggagatg ttctttttaa cctgaagaa 240
gagaaacgtg ttgaggtggc ggattatgat tggacagang aatggatatcc aattgtactt 300
aactaaaaac gtccctgaag atgcgcctcc ttgggctcaa cgttcnaga ttgtcaaaat 360
tgnTTTTggt ataaaagacc ggtnaaangg aacacttccc ttggttacna aagattnggg 420

ggcccccaac cngttggggt aaanttgtcc ggaaangggc aanttaattg aaggggaaaa 480
att 483

<210> 14245
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E3

<400> 14245

ancngncgtt nnaaattcct cctccaaaaa annnttaaaa gnnntancgg nnaggttggg 60
ttcaaaccna ncnaacgang gaggttgctt ttcnancctnc gccgccggtg aaatgcatcg 120
ccgatgaaaag attaacagag atctccatgg atttcaccaa attaggattc ccagaagaag 180
atgaagaaat taaaaaattg gagagatcgt ggagtaagct cgaagaatcc gtcgaattta 240
acgaagacga tgaagaagaa gaagaagagt tttcgtttgc ttgtgtaaac ggagaaggat 300
ctccaattac cgctgatgaa gcttttgaag atggtcagat tcgtcctgtg tttcctctgt 360
ttaaccgtga tctctcttcg agtacgaaaa cgaagatgac aaaaacgaca acgtttcggg 420
caccga 426

<210> 14246
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E4

<400> 14246

gatcttctca cattaatggg tcaaaccttt tgctcttctt tttgattaat ttagtgtttg 60
acaatctcct cctccttctc cttcttcttc aaagttttgt cgcagtatct attgttctta 120
cagagagaaa ggaaagcttt agtcttttac cagtttgatc caattctggg tttcactgaa 180
aaaaagttgg gagtttgatt cttctaactg tagaagaaac agagtcaaca gaagaaaact 240
aaaaaagttg agatttttct ctcacgcgct caagaacttg agtatgtctt cttctgtagc 300
aantgttatg gggttgcnact tcttcccaaa atcaagaacc aatggacaaa ttgtgggggt 360

gggaaagggg tccaaaatcc tccaanactg gtccccccct ggtcaagaat caagagacta 420
aacaaaaggn aagaaagaaa caagatacca acttgggagt tcctcctt 468

<210> 14247
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E6

<400> 14247

caacaaaaaa tgttgatgcc gagatgacag ctaaagtga cggctctttc aaggccatgt 60
ctgcattgag tgctagtaaa ggcgtcaa at cagcggatgc tgggagtatg aagatgacca 120
tgttgtcgat gggaaagact ttggttgagc agaagaagaa taaaagata atgacattga 180
agggaaagaa agagttgggtc atagatatgg tgaaatggac taaaatgggtc gctacatttg 240
tgaagtcggc ctccgagcag aaaggaaagt ctatcaatat agcatcttat ggtcttgatg 300
tcgatgttaa cgatagttn attgtcgggtg ganctgcaan tagtgaatca tcctccacta 360
aatcctggat cggttttcaa ttaccggaag tgttccnaca agtcnnaag aatccaanta 420
ntaatgggaa gttctgccaa tgggaa 446

<210> 14248
<211> 76
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E8

<400> 14248

atcctttcac taagtgttat ccttcangga atgataatta ccaagtatgg agtaaaggaa 60
nagaattgca tcagga 76

<210> 14249
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-E9

<400> 14249

nanagataan ttcanctga caacatggag accangaatg agaattctga tgtttcacgg 60
gcagaggagt ttaaaagtca ggccaacnaa gcttttaaag gtcacaaata ctccagtgtt 120
attgatntan atacagnagc tattgaactc aacagcaaca acgctgtgta ttgggcaaat 180
cgtgcatttg ctacacaaa actggaggaa tatggcantg caatacanga tgcacgaag 240
gccattgaag ttgattcaag atactctaag ggctattaca ggctgtgtgc tgcgtatctt 300
gccatgggaa aatttaagga tgccttgaag gacttccaac angtaaaaag gctttctcct 360
aatgaccctg atgccacaag aaagctanag g 391

<210> 14250
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-F10

<400> 14250

aaaatggcgg caatcagaac gatgacgaac atgattctac gcgagttcat ccatcatcca 60
cttctccttc actcttcacg gaaatcgtgt caatctcttt taccatgtct ccgtctcact 120
cgctaattt ctccaattca ctctaattcc cggctcgtat ccgtccgatg tgcggcatcg 180
acctccggtg gaagcgggtg tgatcggaan gtctcttcan ggttgctgca ngtgcancan 240
atgcttcatg aaccgaaga gagagctagt tccgctggca atgagcctac tcctcaaact 300
actctagaca atgttacact taactttgct agaagtgggtg gtcctggagg ccagantgtg 360
aacaattga ataccaaagt agatatgcgc ttcaatgtta ngaacgcg 408

<210> 14251
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-117-Q1-E1-F2

<400> 14251

ggaanttaac nnnccgcgc caagaatcaa gggcgcacgc acgcgtcanc tcattggctc 60

nngngtaantt aaactnntcn nctgcccang aaacgggtcan agnattcccg gggncgaccc 60
 acgcgtcnna cttcttcttc tatgctgctg cttcggaact tctctacggt gggaagagtt 120
 gctcaatctg ttcgtgtgac ttcgaggatc ttcttctcca ccggagaatt gattagggtt 180
 cttccttata ctcgttctaa aagattgatc tgttctactc gtgctgctca taatgaagaa 240
 gccgcccgcga aagctgcggc ttctgttgct gacaccggag ctccgaccat atttgacaag 300
 attatagcaa aagagattcc ctcagatatt gtctatgaag atgaaaacgt tttggnattc 360
 agagacatta accctcaggc tcctgttcat gttttggcca ttccaaattn aaaaaaatgg 420
 nttgacctcc ccttggaag gntgaancaa agaaaactta aaggttcttg gcaaacttcn 480
 anatgcaacc naanattggt gctgaaaaaa gaaggat 517

<210> 14254
 <211> 410
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-117-Q1-E1-G11
 <400> 14254

gcacttctct gcatatattt gcttctccgt ttctcatttc tcaactctca aactcaaadc 60
 acttcctttg tctcagtgac tctagtctat ctccaatggc tgaacgagtc tatcccgcgc 120
 attcaccacc acaaagcgga caattctccg gcaacttcag ctccggcgaa ttccccaaaa 180
 aaccagcacc accaccatca acatacgtaa tccaagtccc aaaagatcaa atctaccgta 240
 taccaccgcc ggaaaacgca caccgctttg aacaactctc tcgtaaaaaa accaaccgca 300
 gtaactgtag atgctgcttc tgctcattcc tcgccgcggt tttcatctta atcgctctcg 360
 ccggaatata cttcgcggtt ctctacctaa tctaccgtcc cgaagctcta 410

<210> 14255
 <211> 730
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-G2
 <400> 14255

gnnnaaaang cnnnggntttt tttanaaaaaa cccnngggtn cccaaggggn nttaggggcc 60
 cccggtncc nanaaaagggg aaaanttttc caaaaaaggg ggggggtccc ggaaaccggg 120
 cnaaacccgc ccgggttccc cngnaacggc ccnngggggtt acaggtttta ngttcccaaa 180
 gggaaggaana ngnaaggnaa ggaaacccaa aaaaattggg ggccttaant ggncccttn 240
 aagggggggg ccaaaacccc ttcttggggg tcccccgcc ttttaanccc cggggaagga 300
 aggggttcta acggcctggg cctggcaatc ctttaatggt tcgggtcctc cgaacgggga 360
 ttctggaatt ccgtccgggn gaaaaaaacg tcatctcgaa aattccccga tgatactgca 420
 ctacttctct atgcgctata ccaagcaggg tactgtagga ccatgcaaca ctccgaaacc 480
 tagtgcttgg agaacantgg agcaaagcaa atggaaaatt ggcagggggt cggaacatgc 540
 cctccattga nggcaatgag tctctttgtg aaaattctgg gaggggaagat gattctgggt 600
 ggnaattcaa nggnatctaa tgatattcca aattctgttg gtaaagtcc aaattaatca 660
 agagagcaaa agatgagcct gttgttgaga atgggagcac atttagtgag acaaaaacaa 720
 tttctacggg 730

<210> 14256
 <211> 468
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-117-Q1-E1-G4
 <400> 14256

ttagtcacca caaaaaaaaaa aaaacacaaa aagtttcaat ggccgcctcc acaatggctc 60
 tctcctcccc tgcttctgcc ggaaaggctg tgaacctttc ccccgcgga tctgaagtcc 120
 tcggaagcgg ccgtgtgaca atgaggaaga ctgttgccaa gccaaagggt ccatcaggca 180
 ncccatggta cggatccgac cgantcaagt acttgggtcc attctctggc gantcaccga 240
 gctaccttac cggagagttc cccggagact acggatggga caccnctgga cnttcaactg 300
 atccccgagac attcncaagg aaccgtganc cagaanttat ccacaacaan ggggggctaa 360
 ngcctccgaa ccctaagntg cgtcctccct gaacttttgg ctangaacgg agtcnagttc 420
 ggagaagcgg tttggttcaa ggccgggttca caaatnttta ccganggg 468

<210>	14257	
<211>	509	
<212>	DNA	
<213>	Arabidopsis thaliana	
<223>	unsure at all n locations	
<223>	Clone ID: LIB25-117-Q1-E1-G5	
<400>	14257	
nngnannttn	aacngncagc	cgccaggtaa
cggtcanagn	attcccgggn	cgacccacgc
60		
gtccngttaa	actttgcctc	ttcgtctttt
gctccagagt	ttttgtgctg	ctgccatttt
120		
cgatttccaa	aggttttgag	ctttgaaaaa
tggtgagaat	cagtgtgctt	aacgatgctc
180		
ttaagagtat	gtacaatgct	gagaagagag
ggaagaggca	agtcatgata	aggccttcct
240		
ctaaagtgat	catcaagttt	cttatcgctc
tgccagaaac	cggttacatt	ggtgagtttg
300		
agtacgttga	tgaccacagg	tctggaaaga
tcgtggctga	gcttaatgga	agacttaaca
360		
aatgtggagt	catcagtcct	cgtttcgatg
ttggagttaa	ggagattgaa	ggctggaccg
420		
ctcgtcctcc	tccttccaaa	cagtttgggt
acattgttcc	tacgaactcc	gctggtaata
480		
agggncaaag	agaaaccaag	agaaanattg
509		
<210>	14258	
<211>	276	
<212>	DNA	
<213>	Arabidopsis thaliana	
<223>	unsure at all n locations	
<223>	Clone ID: LIB25-117-Q1-E1-D6	
<400>	14258	
gnncgatnca	agnctctana	ntgagtcgna
gcatacttca	acttggtttt	cccggggaaa
60		
cattttcggt	gcttctgttt	gaaaataaag
acgagatcat	atgcgtgtga	aaactctttt
120		
gtaatccaga	ttttgtgctg	tgtaattgaa
ttgtttgtaa	ccaacctgac	tttgattttc
180		
ggttcatgag	ttccgggtta	aaaaaaaaaa
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa
240		
aaaaanaana	anaaaaaana	naaaaaanaa
aaaaaa		
276		
<210>	14259	
<211>	70	
<212>	DNA	
<213>	Arabidopsis thaliana	

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B5

<400> 14259

gtgattttcg nggngctaaa ggggaanaca attttcaa at ttttcgagc tgagtgtcac 60
aaggtcctaa 70

<210> 14260
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B6

<400> 14260

aagcagcagt acactgatgt cgaattgtct gcactaggaa tggctattgc cactgttggt 60
acggtcgctg agatattgaa gaacaatggc tttgctgttg aaaagaagat catgacatcg 120
actgtggata tcaaggatga ttcaaggggt cgtcctgtgc agaaagctaa gattgagatc 180
acgcttgcca agtctgagaa gtttgatgaa ctaatggctg cagctaata agagaaggag 240
gctgcagaag cccaagagca aaactagatt gtttcaagtt ttttctgttc aacgatctta 300
tttcttcgtt ccttatctct atctgcttaa ttttaagaca cttctatttc gttaattttt 360
ggttcacttt ttttaattcaa ccttggattg tgtctccgta cctctganca ttttatttaa 420
agatcgtagg aagt 434

<210> 14261
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B7

<400> 14261

gcagtcanag ccggtatant aactgcattg gttaagatgc tcagtgattc caccgcgcac 60
cggatgggtg atgaagcttt gacaattctc tcagttcttg caaataatca agacgcgaaa 120
tccgcgatag taanagcgaa tactctaccc gcgttgatag gtattctcca aacggatcaa 180

actagaaacc ganagaacgc ancagcnata ttgctttcgc tgtgtaaaag agacactgag 240
aaactgatca ctatcggtag actcgggtgcg gttgtcccggt taatggattt atcnaanaat 300
ggaacagaga gaggcanaag gaaagccata tctttgttag agcttcttcg taaagcatgn 360
caataataac tantcttctg acaaaaaang gtcaacaaag ctcnaatttt aatgaagtta 420
taaattat 428

<210> 14262
<211> 487
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C1
<400> 14262

ngnaacgtta aacnctccgc gntcntgcaa acgggtcanag ggncgacgac cgcgtcaacc 60
aacgaagtcn gcaataacaa aacccccng gaaaaatncc caacgactnc cccccgccgc 120
caagcttgtn atggatcgga gagagagatc agtggtcttt ggatcttcca atttctccac 180
gtttgtgctt gaattgcaga agaagttttg tataggactc tgttttgctt gttgatagaa 240
tttggaatc tagggtttat cgaatcgttt attttggttt tcgtttagtt tctcttcttc 300
gagctgggtg ttctcaacta gttagagagt ttctcgattg gtcagagctg cttttattga 360
attttctttg gatttcgtgc ttatagatct ttgaaaagtc tgagaatcct gttttggagt 420
tactgttca agttattgga agaaatangg ttccattcaa attttagaat tgactcaagg 480
aatccgg 487

<210> 14263
<211> 475
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-C10
<400> 14263

tgngggtnng cattcntnag ctncggcagc cncnggtcc aaggcentnc gccctcnaa 60
agtgtctect atanagaagt cacatgttcc ttcttcttct tccttcatca tccccaaaca 120

cacacaaact aaaanaaagg caaaacccta gatccaagat cagacctaata ctaatcgaaa 180
 ctcatagctg anaaatgaag agagatcatc accaattcca aggtcgattg tccaaccacg 240
 ggacttcttc ttcacatca tcaatctcta aagataagat gatgatgggtg aaaaaagaag 300
 aanacgggtg aggtaacatg gacgacgagc ttctcgctgt tttagggttac aaagtttaggt 360
 catcgganat ggcgagggtt gctttgaaac tcgaacaatt agagacgatg atgagtaatg 420
 ttcaagaaga tggtttatct catctcgca cggatactgt tcattanaat cccgt 475

<210> 14264
 <211> 489
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-C11

<400> 14264
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 cnnccgaggc gtcnctacc ttcnatctct ctcaccact ctctcgga accacagcga 120
 cggacggacg gacggacgat aaaacttttg cctctaattt gctctacaa atctggaatc 180
 agccggagcg aatctcgaag cttatgatct cgacttgctg aagaggctgg gaatggctgg 240
 taaagaggag actgatgtat ctgcacaagg gtctttaacc agggaggcca ctgagatatg 300
 gaggagtgag ttggaatctc gccggtttca ggtagatagt ttagaagctg aacttggtga 360
 tgtcaaggct taccttgagt ttggctcaga agaagatgcc agaaaggagt taggagttct 420
 ttcgggtagg gtcagatcga ctgcaactat gttgcgttat ttgagatnaa aagctagatc 480
 ctggncatc 489

<210> 14265
 <211> 406
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-C5

<400> 14265
 aagaaggcga gaagaggagc gacaagggcg aagctgcaga attcttcggt aattttcaga 60

ttcgggttgaa taatggcggc tgcggctttt gggcagttaa atctagagga gcctccaccg 120
 atttggggat ctctagtagt cgattgcttc gagaagcttg aacagattgg tgaaggaact 180
 tacggccaag tgtacatggc taaagaaatt aaaactggtg aaatcgtggc tctgaaaaag 240
 atccgtatgg acaatgaaag agaagggata accgctatcc gggagatcaa aattctgaag 300
 aagctgcac atgaaaaatgt catccatttg aaagagattg ttacttctcc aagtcnaaga 360
 taagggatga tnaaaggaaa gccaaagatta taacaataca aggtgg 406

<210> 14266
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-C6

<400> 14266

ngatctgacc tcaaaatcaa acgagtttct ttgataatct tcttgctaag tgttcttggt 60
 gagttttgct atggaggggt cacaagtga tatgtcagag gaagtgattt accagatgac 120
 atgccactag acagcgatgt ttttgaagtt cctcctggtc ctaattcacc tcaacagggt 180
 catgtaacgc aagggaacca tgaaggtaat ggagtgatca tttcttggtt gactccggtt 240
 aagcccgggt ctaagactgt tcaatattgg tgtgagaatg agaaatcgag gaaacaagca 300
 gaagcaacag ttaataactta ccggttcttt aattacacgt ctggttatat tcaacattgc 360
 ctcatccatg aatttggat ttgataacaa attactacta acaaaattgg aantggcaan 420
 tgggtccaaac nggttctg 438

<210> 14267
 <211> 425
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-C7

<400> 14267

cttatcgctt ctttctcgat acgctctctt ctccggctcg actcctgttc gcatcagcag 60
 gaggagcaac ctctgcttcg ccgtctccgc cgcacgagct tctcgccggg attctatatc 120

attccccag cctatcttcc tccgccacgt catctctacc cagtcgaatt tcgagatcga 180
 tcgaaattat agagctcatg cgtcttctat cggatcattc gaggatagct cttcttctaa 240
 cttactagaa gacgccagtt ccgatgggtt cgatttgggc agctttgttt ctttcgcgga 300
 agcgctttgt attttatcat ccgccgtgat ttcagtgggt ctcgcggtga attacgtggg 360
 ggttgggtgaa attgggaaaa angtttggcc ttaagggttcg gttggattgg ttgntcaatc 420
 ccaat 425

<210> 14268
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-D1

<400> 14268
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 ccnccacgn ngtcgcccca accaaagttt ctcatcattc atttcagatc agccatggag 120
 gacgaggtaa tcttacatct tttcgtatat atttattata aacacgattt agctctgttt 180
 ttccgccgga gattataatt tgccggagac ctttattcga gatctgattg atcatttctt 240
 atatgcctac attaaacttg ataccatta gatttctttt tgatggaaat cgatttgatg 300
 tgaaattagc tgctcggtac tctgggtttt tccactcacc ctctatagat gatctgggtg 360
 agtgtttgta tagagaagaa agacatatga gttcattaga attgtagaaa agtgatggaa 420
 agattttccg tcaaaccgt ttctcaaaag gcgtgggtgg ccaatgttgc cccaactggg 480
 aattggttaa tananttccc 500

<210> 14269
 <211> 191
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-D12

<400> 14269
 acgtgggcnc aantttcaat ccnacgnatg catttctatc gtgggcacnt cttccactta 60

tctccgtngt ccgttctgct tcnctctcat cacattattc gccgtcgcca gttctcttct 120
 cgtcacctat attncacctc cgatgcattt ctctccgttt gcaactctcg ccttcacgcg 180
 aatctcaatc t 191

<210> 14270
 <211> 500
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-D2
 <400> 14270

aacttttacn ctctcccgtg cccgtcanaa nattanacgg gncgangacc gcttcnaana 60
 ctaaattcac tcanttggna ccnttcaggt caaatctgag ggattcatgg cgaaatggat 120
 tgggtttaan aacactgctg gtccattggg acaccaagcg gtcgcactcc gtgtgaacgg 180
 agaccgtgcy gtcatttca actgtagatt cgacgggtac caagacacac tctacgtcaa 240
 caacggacgt caattctaca ggaacattgt tgtatccgtt acagtggatt tcatcttcgg 300
 aaaatccgca actgtgatcc aaaactctct catcctcgtc cgaaagggaa tccccggaca 360
 atccaactac gttacggctg acggtaatga aaaggggtgca ncgatgaaaa tcgggtatcct 420
 cctccatnac tgccgtttca taccgggcaa aggantccaa nctgacaagc taaccatcaa 480
 aatcntacct anggaaggcg 500

<210> 14271
 <211> 435
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-D3
 <400> 14271

caagantncg gcccttngaa aannnnggaa nnacggannt caaaggngtt gaccaacaa 60
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 cttgggatgg acgttatggc ctcgtcattt gtactgacag cgcggtttat gcagaaggac 180
 ccgcaaggcc cactggagga gctgcagcga ttgctatggt gataggacct gatgctccta 240

tcgttttcga aagcaaattg agagcaagcc acatgggtca tgtctatgac ttttacaagc 300
ccaatcttgc tagcgagtac ccggttggtg atggtaagct ttcacagact tgctacctca 360
tggctcttga ctctgtctaa aaacanttat gcaacaaagt tcnaaaaaat tcaagggcaa 420
agagttctcc ataaa 435

<210> 14272
<211> 430
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-D6
<400> 14272

atcaaaaatc attcccaaca catttcttct tcgttgtcaa aaatacatca gaacgttctg 60
atttcgccgc gtgactctta tctccgtcaa cgccgataaa ttctccggta aagtaaccgc 120
cgcgatgtcg tttcttttcc gtaagaacgg tagtagttca cggaggaaga tcaaagaaaa 180
actccgtggt cgtcactcag atcgaggtgg gaagagagaa gaagatgaga gatacggcgg 240
ctccggctcc gatttacctc caccaccgtc tccttgggga tttctcttcc cggaggattt 300
tgtaagaatc gacgggaatc tcaaagctgt taattgtaga tgatgaagga ttagatgtga 360
tttactggaa gaagcttcta nagttgggaa atanccggaa aantnagaaa aacctaaacc 420
tagaagaagg 430

<210> 14273
<211> 502
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-E2
<400> 14273

nnnnngnaacg ttacgctncc agtngccgtc caagnattca angggtcgac gcacgcgtcc 60
nggacgaaca aagagtttcg tagtctctc gacctcttcc cagtcgtacg ttctcgtgac 120
caccgtgctg aattagattc ttcaaagcaa tcaacttcac agtcagttgt ggatcgagag 180
gtaagtgaat ggcacgatgc accgactggt gctgagccta aagacttgca atatctgaag 240

actgatcaag acaaattttg ggaaaatctg aaagcggctg ctgagaagaa ggttggtggg 300
 gttgaagcag agagattttg caaggctttc gagaaactcc acaagaaact tgtgtatgaa 360
 gaattggatc cagaagctgc aaagcgatat ttactaaact cttaaacttc tgctctctat 420
 atgatgtgcn tccaaaagtt tgttaaattgt nggagacact tcnagtcttg gccttttctt 480
 taancgtaat tatgaattta ng 502

<210> 14274
 <211> 491
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-B4
 <400> 14274

cttntacgcc tcccgggtgcc ggtcaaagaa ttcacggggg cgcacgcacg cgtccaactt 60
 aactccggga gctctctatc tttgggtcatc ctctatcgg aatcggcagc gcagggaaga 120
 gggcagatta tgaataatga tacatcaaaa aagctgggaa ctttggtttc tgatgatgga 180
 ccagtgaatg tatatgtatg ggacatggac gagactctta tcttacttag atctctgtta 240
 aatggaactt atgctgagtc ttttaatggc tccaaagatg ttaaaagagg tgtagagatt 300
 gggaggatgt gggagaaaca catacttaag atctgtgacg attttttctt ctacgagcaa 360
 gttgaggaat gcaatgagcc atttcttgat tcattgagac agtatgatga tggaaaangat 420
 cttctcggta tgaagttcaa acaagacgac ttagtacnct acngatactt gaacaagnag 480
 gaaacttgc t 491

<210> 14275
 <211> 397
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H6
 <400> 14275

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 ctgctaattt aaggaaacaa aaatggtgga tcttgaaaga agagtgtgtt gcatgtgtgg 120

tgatgtggga ttcttcgaca agctctttca ctgcagcaag tgccttaatc gctttcaaca 180
 ctcgtactgt agtagctatt acaaagagca agctgatcca atcaagatct gtgattgggtg 240
 tcagtgtgaa gcaaaaagtc gaaccggagc aaaacacggg gttaatgggtg gatcgtctaa 300
 nagatcgtac cggtcggaat aatcttcaac tcatcaacaa atcaaacaag naagagantt 360
 ancaaaccac ntngtggnan nnttccccca naaaanc 397

<210> 14276
 <211> 441
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H7

 <400> 14276

naaactcgca agttactctc tcattcctca tcgtaccctc tttactcagg tatttttctga 60
 agttaaaaga tagaaataat gtctgaaaag gtgggagcga tgggtggtaa caaggggtgga 120
 gcattcgacg atgggtgtttt tgatgggtgtg aagaaagtaa ttgttggaag agacttcaac 180
 aatgtaactt atatcaaggt tgaatacgaa aaggacggaa aattcgaaat tcgtgaacac 240
 gggactaatc gcgggcagct aaaagagttt tcagtggatt atccgaatga atatatcaca 300
 gccgttggtg gaagctacga cactgttttc gggtacggat nancgttgat naagtcatta 360
 ctctcaaaa actcctattg ganaaccctc caaaccttg ggccacnaa atttnnnngg 420
 aaccacngg ggaaaaaatt t 441

<210> 14277
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H8

 <400> 14277

tanncttccc ggtgccnggc anaagtcaaa gngntcccg gcnacccaa acgtccaagt 60
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 acgcgctgca gctgcaatcg cgtctgggta aactcaagga tgaaatcatt cctgttgcta 180

ctaagattgt ggaccctgag actaaagcag agaaggcaat cgtcgtatct gttgatgacg 240
 gtgtacgtcc aaactcaaac atggcagatt tggcaaagct gaagactgtc tttaaacaga 300
 acggttccac cacagctggc aatgctagtc agatcagtga tgggtgctgga gcagtactgc 360
 taatgaagag aagtttggct atgaagaagg gacttcccat tcttggagta ttcaggagtt 420
 ttgctgttac tgggtgtggaa ccatctgtaa tgggtatttg tccaactgtt gccaatcccg 480
 ctgcaantaa actcncaagg gtcna 505

<210> 14278
 <211> 258
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-115-Q1-E1-H9
 <400> 14278

ggcaacatct caaccgcaga gactggccat ggatacgagg tcgaagagag taaaccggag 60
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 agattgtttt ctaggagaca aaaagagttt caaaggtatt tgaattgatt tgtagtggta 180
 atgatttgac taactttcga gtttctttct tcttttgta aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aagggcgg 258

<210> 14279
 <211> 393
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-A1
 <400> 14279

aagaangncn aaagaatnnc aanggaanca tntggggcna nggtgggaac aaagttnent 60
 tgggtgccgn atggtcactc ccggnacctc aaatctancg cgaatgcttc tggggaacaa 120
 ctctatancg caaatagcag aagcattctg gaccatcttg agcatangac tttgcaaaaa 180
 attcttttgg ttggaaacag tggttctgga actagcacia tattcaagca ggcaaagatc 240
 ctttataagg acgtaccatt cttggaagat gagcgtgaaa acataaagggt gattatccag 300
 accaatgtgt aagggttatc tccgtaagcc tccttgangg cccggaaccg gtttgaanaa 360

aaaacccctt gctcccaagg aacacaaanc att

393

<210> 14280
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-A12
 <400> 14280

ngnnnnngnn nngtanttcc anaccgntcg gcacaggcca cngactcgcg aggnccganac 60
 acgcctctaa actntntcan acaattttgc gtttctgctt ttcattttct ctcaagaagc 120
 gtaaattggcg aacaatggac ctaactggga cggattactc aaatggagcc tctcacattc 180
 cgatggagct tcctcttcta gccgtataag tgaggaagat cgacaatggg ttgtggaagc 240
 tatgcaagca catacaatcg attcaatctc tcgtatgaaa gtaatatctc aaatcatgaa 300
 gatgcctgaa caagtcttgg aggctcaagg agttacacct gatgatcttg aaggaatggt 360
 ggctgagctg caggaacacg tcgagtcgat agatttgccc aatgatcttc actccattgg 420
 aggtttgggt cctctcctta gctatctcaa gaactctaag gcgaaaattc gagcaaagtc 480
 tg 482

<210> 14281
 <211> 358
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-A3
 <400> 14281

gtgaattttc ccgtgaattt tcgcggtgct ttttaangct anagctcctg ggaanatnat 60
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 ctacacttac gttactctcc gctttcctct tccatcgact gagaacaatg ataggcttac 180
 anttcagctc aaggacattt ccttgnggtt ttcattggtc ttagccagaa tcaaagaagc 240
 gattccttat gattcaagca ctctctgccg ttctacgncg gcttcaggnt cagagggana 300
 ccctngntc aattgcagnt ttggttgaag aanaaaatct tccaagggat aaaantgt 358

taangga

427

<210> 14284
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-A6

<400> 14284

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tctctctctc tctctctctc tctctctctc tctctctctc ccaacttctt cactaatggg 120
agctcaggag aaacggcgcc gtttcgagca gatatcaaag tgcgatgtta aggaccgggc 180
caaccatacc gtggccgctg atctagacgg aacactacta atctctcgta gcgccttccc 240
ttactatttc ctgtagccc tcgaggcagg gagcttgctc cgagcgttga tctacttgt 300
gtccgtacca ttcgtttatc ttacgtactt gaccatctcc gagactttag ccatcaacgt 360
atttgctctc aacaagttcg cnggtctnan natcgagaag tttgagctag tgggccgggt 420
ccgtctctcn g 431

<210> 14285
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-116-Q1-E1-B1

<400> 14285

agntttnaac tctccgnagg cctgtaaaaa gtcaaanggt cnaccnacc gtcenatctc 60
taatcaaaaa gcttttaacc tcaagccgtt aaatctttct ccgatcatgc cgaccagaaa 120
catcgccatt ggtgggagtc caagaagagg tctatcacc caacgcactt anggcgggcg 180
tcgctgagtt tatctcgact ttgatcttcg tcttcgccgg ctcaggctcc ggaattgctt 240
tcaacaagat cactgacaat ggagcaacca ctcttccgg gctcgtcgcc gctgccttan 300
ctcangcttt cggtcncntt gtcgctgtct ctgttgngc taanattccg gtggncacgt 360
taaacctgcc gttacatcgg gtctantccg gggnaanaca cctccccct 409

<210> 14286
 <211> 488
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-B11

 <400> 14286

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ccaggcgtcc aatagagaaa accattacac gagaaaggaa aaaaatggtg aatccttctt  120
cacctggaat tgccatactc ggagctggga tcttcgtcaa aactcaatac attccgagat  180
tagctgagat ctccgatctc gtcgacctga aagcgatttg gagccgtact gaggaatctg  240
caaaaggagc tgtggagata gcaagaaagc attttcctga agtgaagtgc aaatggggag  300
atgaggggtct caatgagatc attcaagaca gttcaatagt tgggtgttgct gtagttgtag  360
ctgcagaaac catggttgaa ttgtcactga agatgctcaa ggcaggaaag cacgtccttc  420
aagagaagcc agctgctgct tcaatcagtg agatagaaac tgcaatgtcn agctntagaa  480
ttttctng

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<210> 14287
 <211> 363
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-B2

 <400> 14287

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tcggccgaaa cttccaaact cgtctttgtt acctggattc gatgttggtg ttcaagctgc  180
tgctacncca ttcaagaagg aaacaataac cacaagagcc actttgacgt ttgatngacc  240
aaccactaat tctgacagag ctaancagag anaacacacc antgacctt cttctcctga  300
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aag

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<210> 14288
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-116-Q1-E1-B3

<400> 14288

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 tcnnaattgg acccaacttc tttgccngtg aacccttccc ttaagcactt taaaccgcaa 120
 ggtgggaatg gagggagtg tttgggacgat ggtgcttttg atggtgttag aaaagtgttt 180
 gttgggcgaa atggtaagtt tgtgagttat gtcaggtttg agtatgcaa aggagaaaga 240
 atggtaccac atgctcatgg gaagagacaa gaagctccac aagagtttgt agtggattat 300
 cctaataaac atattacatc ggtagagga acaatcgatg gttacctttc gtcgctgaag 360
 tttacgacat caaaaggaag aacctccct gtttttggga atgtggtcgg tagtaaat 420
 gtgttcgaag aaacaagttt taaaccttgt tgggttttgt gggccattcg gtgaaacnaa 480
 ttgatgccct tggggcaa 498

<210> 14289
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H5

<400> 14289

agttcaacgt tgcgaatcca actactggat gccagaagaa gtcgagatc gacgatgacc 60
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 gcgaggagtt caaaggatc gttttcaaga tcaagggtgg ttgagataag caaggtttcc 180
 caatgaagca gggagtgttg actccaggcc gtgttcgctt tttgcttcac cgaggaactc 240
 cttgcttcag aggacatgga aggagaactg gtgagaggag aagaaagtct gttcgtgggt 300
 gcattgtgag cctgatctc tctgttctga acctgtcat tgtgaagaan ggtgagaacg 360
 atnttcctgg gctaacgnt actgngaann cnngaattng aagggccan nganaccccc 420

nna

423

<210> 14290
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-F7

<400> 14290

tttaagcttt cttaccatta ggaccattaa gagctttcca taaaagcatc acaacggctg 60
caacagttaa caaatacaag gacgagtaca gaaactgggt caggagtcac catgcctcag 120
aactgcatag caccaaggcc tgaagaagat ggtggagtca tggttcaagg tttgccagat 180
atgtcagaca cgcagagcaa gtctgtacna gccttcctta cgattacttc acaacctggt 240
ctccagatgt ctatgtatcc cataactctc aagtttgagg aggttggtga caaggttaag 300
atagagcaga caagtcagtg tatgggatca tggaaaagca aagagaagac attttgaatg 360
ggataacggg aatggtttgt cccggagaat tctaaccatg ttangtccat cangnanttg 420
naaaaccacn cct 433

<210> 14291
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G1

<400> 14291

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tgacactggc gaagaacaaa gtttgaacct tttcttcac catctctctc cgtcgcttct 120
tcctaacgat tccttcactc gaatcagggt tgtgaagggt tttttctang gtttcgaaaa 180
gatgccggcg acagcaggaa gagtgcggtat gcccgcaaac aatcgggtgc atagtagtgc 240
agcgcttcag actcatggaa tatggcagag tgcgattggt tatgatcctt atgcaccaac 300
tagtaaagaa gagcctaaga cgacacaaca gaaaaccgaa gatcccgaga actcgtagcg 360
gagttttcag ggacttttgg ctcttgctag gattacgggt tcgaataacg atgaagccnt 420

gggtcctgta anaaatgtgg cnttttgggc aattnacctt tcaatgtang gaattctgag 480
 tttcaagggg ggaaagg 497

<210> 14292
 <211> 424
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-G12
 <400> 14292

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 ttgtttatct cgtcctcgat ttcaagagtt tgatttctgt aactttgagc ttccttcaaa 120
 gcaaatgaaa ggtgctgctg tgagtatact cgaattgtat ttcccatggg gaataaagga 180
 taagaaagtg ttgtgtcttc atttcaatag ataaaacaat ctaaacaagg cgtattctgt 240
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 aagtttgagg cggtttcact ttgaacctga gtttggtgac cttttgagat taagtgtctt 360
 gactangaat tatagaaaga actcctggat ccccaaagtt tgattcactg gnactggaac 420
 aact 424

<210> 14293
 <211> 516
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-G2
 <400> 14293

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 gggaggagct tatgccattt tcttccccgt ggaagggtcta acaatcacac gtctcctaata 180
 ctctgtacgtc ttcttaggtt ttgaagaatg gaaaatttaa ggagggtgtc aaacccggga 240
 aatttcggat tcattggaag atcacaatca cgagttcccc aaaaaaacat ggaaaataac 300
 atttctcttc ctaataatat gcaccacat agtgcttctt tagatgatct tttcacagaa 360

aacatttgtt attgttcacc ggagttgata gtagcaatag tacatattac atgggtcatat 300
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tttgtaagtt tttagacagt tagaggagga ttcaaaagaa aagaagaaaa aatggactat 420
atgtatggac canggagaca ccantgttt gttcaagacc agtgtaaaaa nccngaaccc 480
ggaaaccggg ggcnaanacc gggaaaaanc g 511

<210> 14296
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G6

<400> 14296
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atcgcaaagt cgtcatcctc ggtgccgcgc gtgggatcgg ncagccactt tctcttctca 180
tgaagcttaa ccctctcgtc tttctctctc cctctatgat atcgccaaca ctcccggcgt 240
tgctgctgac gtcggtcaca tcaacacccg atctcagggt tctgggtaca tgggtgatga 300
tgatttgggg aaagctctag aaggcgctga cctcgtcatt attccaactg gtgtcccaag 360
gaaacctggn aatgaaccgt gaagattttt tnaanaacaa agnngggaat ttnnnaaaac 420
ccna 425

<210> 14297
<211> 261
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-G7

<400> 14297
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ggcaattttg gaccagtga agatgttagg attccatacc agcatcaaac ggatgtttgg 120
gtttgtcact tttctccant ctgaaactgt gagaatcata ttggccagag gaaatccnca 180

gcattgtcaa gggcaaactct cgtcttggag cggttgttca ccaaaagact gcttcttgct 420
 tgtgtttgac cactgtcaag aacgaagacn ancttaattn acanaatccn cggaantttt 480
 cagggcaatt ta 492

<210> 14300
 <211> 262
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H10
 <400> 14300

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 ttgtttcgat ctcatcaagc tcttttggaa ggactcagag tattgctcag aggaaagcaa 180
 ggtttcctaa antatatgcg gttaagcaat tgcatttcaa taaggacggg actgcnatta 240
 agaanccttca agctgggtgtg na 262

<210> 14301
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H11
 <400> 14301

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 atgggttgcgc cgaatgggtca caaatctgat aagaaactta tcagcaagtt gtcttcaagc 180
 tcatttggaa ggagacaaag tgtgtgtcct agaccagaa gatccagttc tgcaattgtg 240
 tgccgcagcaa aggaattaca tttcaacaaa gatgggacta ccattaggag acttcaagct 300
 ggtgtcaaca agctcgcaga tcttggttggg gttacacttg gacccaaagg acgaaatgtt 360
 gttcttgaga acaagtatgg atnaccacga anttgtaat gatggngtaa cgggttgcaaa 420
 a 421

<210> 14302
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H2

<400> 14302

aacgttacgc tcccagnngn ccaggcanag aattaacggg ncnaggnncg cgtccncgga 60
 cacgtgggcg gacgcgtggg ctctcctccc taaaacgcgt ttccgtgaca ccgccgttat 120
 cctcatgctc atccatcagt ttataacgtt egggtttgcy tgtacaccat tgtacttcgt 180
 atgggaaaaa gcgatcgga tgcaccacac aaagagctta tgtctaanag cgctggtgag 240
 gctaccgggtg gtgggttcga tatgggtttt ggcaatcatc tttccctttt tcgggccaat 300
 aaactcggca gttggagcct tactgttacc ttcaacgtct anatcatccc tgccttaagc 360
 cacatgctca cgtancgcaa cgcctctgcc cgcngggaan ccgcnggana aaacaaccgt 420
 ttttaaccct aanctggggg ngagggtttac ntgngaaacc ctttnaaaaa ggggtttgggg 480
 ccaaanttcc 490

<210> 14303
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-115-Q1-E1-H4

<400> 14303

ttctacgctn cncgggtgccc aggnanaggt canaggggtc ccgggncgan ccaancatgc 60
 aanagagatg agcgcgacgg agctgccgac gaaggaggca cacatactta aaggccacga 120
 gggggcggtt ttagcggcga ggtttaacgg tgacggaaac tacgctctca cctgtggcaa 180
 ggatcgaact atccgcctct ggaacccgca ccgtggaatc ttaatcaaga cctacaaatc 240
 tcatggccgc gaagtccgcy acgttcatgt tacttcagac aatgccaaat tttgctcatg 300
 tgggtggtgat cggcaagttt actactggga tgtttcaact ggacgtgtaa tccgtaaatt 360
 ccgtggtcat gatggagagg tcaatgcagt gaagttcaat gatttntcnt cngtggntgt 420

atcaactggg ttccattnnt ccnaanttt tttggaactg cngattacca angtnnttgc 480
ccnttanat tttcntgga 499

<210> 14304
<211> 293
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-115-Q1-E1-F4

<400> 14304

nnattngaga gaagtcacga tatgcttaga caaanggatt cactcatggc attttcgatg 60
acctttgaga anaangatgg ttacgtcgcc ttcacaagcc atcctcttca tgttgaattc 120
tcaagccgct ttcaccgccc tcacgcgaaa gatcggttctc ctgcatttcc ccgtcgccgc 180
tgtcaaattc tccgttggtg caacaccatg aatcttgtga tggttacata tcgtcatatg 240
actcatatcg aacttggttc ntaatttnna acnaanttnn agtttttggg gna 293

<210> 14305
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-E10

<400> 14305

nnngggnnnn ngaantgtct cgctnntcg tagccgtcca gaattcaagg gtcnaccac 60
gcgtccggac aagctcagat gataaccgag gtttctggtc gattatccga gcttaaaacc 120
acgatagatg ctgggttagg tcagcgtaac attcttttgc agaccattgg agataagttt 180
gaactatgga acctcaaggt acgcaaagag aaagctatct atcatacatt gaacatgctt 240
agtcttgatg tgacgaagaa gtgcctcgtg gccgagggtt ggagtcctgt ctttgcattc 300
agagaaattc aagatgcatt acagcgtgcc gccgttgact ccaattctca agttggatca 360
attttccagg tctaagaac caaagagtcg ccaccaactt attttcgac aaacaaattt 420
acttctgcaa tccaggaaat tgttgatgcg tatgggtgtg ncaagtatca aggaaccaat 480
ccaagtgtat caacaatggt tacc 504

<210> 14306
 <211> 551
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E2

 <400> 14306

nnnaaactgt tntaangcct ttcccanggg gccccggggtt caaaagnnat naaacccgggg 60
 gcncgaangc ccacgccgtt cngagccgaa aaacttttat tccggtttng cttttgaagc 120
 ctnccgaaan anntgggaaa acaanaaatn gganggaaag aaagaagcaa cgaaggttta 180
 acgggtnggg agaaatcccc tggaaagtcc ggcgatacgg gatgttcccc attcgggata 240
 tcgatatgtc tgcaagccga tgaggacgcc gttacggagc ttgctgagat gaagaggaga 300
 ttaaaggaga tggaggaaga agctgctgcy ctacgagaga tgcaagcaaa agtcgaaaaa 360
 gaaatgggag ctactcaaga tcctgctagt atggctgcaa atcaagaaag gaaagganga 420
 ngtggatgct cgattcagtt tatgttggca atgggttggt ctcataaatg aagttcttaa 480
 tanctctggg ttctcaacta agttttgtga ctgttttgct agtttccctt gttgtaatgt 540
 tnaaatccat t 551

<210> 14307
 <211> 499
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E3

 <400> 14307

nnnngngtac ttctactcen ccgaggctcn ggtcanaggt cnnagtgggg tcggggccac 60
 gcgttcnact ttaacntant ctntanctt cccggtcacc aaattcgact ctctccctaa 120
 ttccagtnac ccatcaattt ctcaaccgt cttcttcggt tcccgctctg ttatcagtct 180
 catctccgaa gaataccgc catcttcgtc tctcatcac ctccgctttg aatccacaga 240
 cgggacagcc gacgaagaag gcctccaccg gtagtgataa gagtagtacg aacaagaaac 300
 gtaagaaaaa ggggaaaatt gcgaaacctg tggaggattg ggaattgaga gattcagaag 360

acgcttttga ggaagatgat gatgccgatt antctttcttc ntcgagttct ctagcaactt 420
 ttaactctcc tcctaccata nncaaaccan ctgctggggtt tgtgattaat gaaactggta 480
 aggttcctaa gggctccna 499

<210> 14308
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E4
 <400> 14308

gccaaactcca agctccgccc gcaacagtgt cngcacagat gaattgacca accttcccc 60
 ggaggactcg ccaactcgaca gcgagaagga tgatagcggt gacttcagcc aggagcaagg 120
 atcggagtca aatgaagcta ttgacactga gaatgggtca agatccgtag acaagancca 180
 atactctgaa actgaagttg tagttagagc acaagattta cagacagaan ctgattcact 240
 ggatgatgat gtggagattg tgatcaaaaa ccaacataag tattacatat actgcccttg 300
 ctgtggtgaa gatatcacca aaacagtcaa gctcgtgaag atatcagatt ccaaacacac 360
 aanagaccat gacaaagctg ttgacagtna cactgagaat nggttaaaat cccaanga 418

<210> 14309
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E8
 <400> 14309

gatggctggc gaagtttaggt cgtgataaag aatgccgata ttcgttgcaa cgccttaggg 60
 gatctgacgt cgatatttct cgtgaagcaa acacaattag agataccatt gacatgacag 120
 aaaacgggtg tgaaactaag atgtctgaat tgtttcagag acgatacgca tatccggtta 180
 ttatcggagt tggtttaaat tttttgcaac aattgtgtgg gagctccggt gttacctatt 240
 atgctagtag cctcttcaac aaaggaggat ttccaagtgc tattggcaca tccgtaatat 300
 ccacaattat ggttccaaaa gcaatgctgg caacagtcct agtcgataaa atgggggagga 360

gaacgctcct aatggcttcc tgttccgcaa tgggtttgaa tgccttgenc ctnaatgggt 420

<210> 14310
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-114-Q1-E1-E9

<400> 14310

gatattgtta ggaactttct cttcatata ttacagcttc agagttggga gaaaactgta 60
gactgttaca gtcttgaca gggtttgatg cctgcaagtt ttaaagtaag aactgtggcg 120
cttgatgaga acactacgga agaggttttg gatccggatt ttggtgaatc agctattgggt 180
cgtgttgctc ctgtggattc tggtttgtgg tggattatc tcttgagggc atatggaaag 240
ataactggag aatttcccg tacaagaga ggatagatgt tcaagacagg gataaagctt 300
atcatgaact tgtgttttagc acatggattt gatatgtttc caacactttt ggctactgat 360
ggttcttgta tgattgatcg tcgtatgggt atccatgggc aacctctcga aatccaatcc 420
gtaatccaac caa 433

<210> 14311
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-F1

<400> 14311

gnnnnnnaan ntntactttg cangncccg tcangaatan aacgggtcga ggccacgcgt 60
ccgccaanc gtccggaagt ttttcagatt actcaaagac caaatttgca atcgagaaa 120
gttctgaag cattagattt tctcacctt aacgaaaggc tcttcgttg tatatctgat 180
caatcatatg aagttcgtct tgcaacactg aagtggtttc tgcgggtttt gaagtcagaa 240
gattccagtt tctcagagtc gagcagtatt tggaactggg caaaaaacgg tctccaggtg 300
atattattag agctgttgga caaggagaaa aaccataaat gtgagaacta cattttaagg 360
attcttttcc agtggaatct tcttatgttc aaaaaatcat gtaacaagga atctgttgaa 420

ggcatttacg ttgggttcgtt gaactatgat tcggtgtttc anccttgggg caagctgact 480
 ccccaaa 487

<210> 14312
 <211> 449
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F11

<400> 14312
 gaagctctgg gattaaacct attttcacct tctaaggntc ttcgtcgttc ntantgatct 60
 gtgaaagatg tattcgggtc aagaacaaga tncacaaggn taanggtgtt gcaccaacag 120
 agtttgaaga gcaagttact cangctttgt ttgacttggn gaacaccaac caaggagttn 180
 aaaagccaat tgaaagatnc ccaaaataaa caaagctggt tcaagatgga taattcctgg 240
 gcaaccgcaa aancctgttg gtgattctac gtncaattc aaggctgaag gaaagctttc 300
 cgcaagattc atcttcgtct gggtcagaga gcttgagaag aagttcagtg gaaaagatgt 360
 gatctttgtt gctaccagaa gaatcatgcg cccaacaaag aaaggccaac tgttcaaaga 420
 ccancecaca anantcctaa tttntgcna 449

<210> 14313
 <211> 90
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F2

<400> 14313
 cgcgctattc acttcgggta cancacgc gtcceanacc gtcgttcttg aagagctgat 60
 aangatctgg tcgtcactgg ggaaaanggg 90

<210> 14314
 <211> 395
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F3

atttgttcaa atgtgtaatg atgataatgg tgttggttgt ctcttgtggt gaagctgttt 120
 ctggagctaa nttcnatgag ctttatcggt caagctgggc tatggatcat tgtgtcaacg 180
 aaggcgaagt cacaaaactc aagcttgaca attactctgg agctggggtt gaatcaagaa 240
 gcaaatactt gtttggtaaa gtctctatcc agattaagct tgttgagggt gattcaacan 300
 gaacagtcac tgctttctac atgtcttcag atgggtccgaa ccacaacgaa ttccaatttg 360
 agttcctaag gaacnataac ngccaancct aaatattcaa aacaatatch antt 414

<210> 14317
 <211> 418
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F7

 <400> 14317

tcaangttat ggtagtgata ataagaagag gttggagcgc aagtattcga aaatttctga 60
 tgattactct tctttggagc aggtgacgga ggctcttgca cgggcgggtc tagaatcttc 120
 aaatctcatc gttggnattg atttcaactaa gagtaacgaa tggacagggg ccaggtcctt 180
 caataggaaa agcttacact tcataggcag tagtcccaat ccttatgaac aagcgataac 240
 tatcatagga agaaccttag ccgcctttga cgaggacaac ttgattccat gttatgggtt 300
 tggagatgca tcaacacatg atcaagacgt gttcagtttc aattcaaaag gatagattct 360
 gttatggant ttgaggaaat actttcccgat ataaaggaat tcnngcccaa cttaagct 418

<210> 14318
 <211> 416
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F8

 <400> 14318

ctgttcttca tcacaccgag aattcgaaaa ttccgatgaa caagaaactt ctcaaccctc 60
 ttgaagatcc accaaccgct tcttcaagcg aagacgtcga cgaagagatt tcatcaggag 120
 aagatgaaaa agaacatata tccaattctt cttcttctga agaagaaaac gaactcaaag 180

6955

atctctccac tcaaacccta aattctcctt ccaccgaggc tccaactctc gattctggat 240
 ctgagacaaa ttccgactca gataagccaa tcgtcttaac cagtcagaag aagaaagaag 300
 gtactgattc atcagggacg aagcgagcta gtgaaggaac tagctcaaag gacatcaaaa 360
 gagctaagaa agtttcaagg agatgacgaa taccaaaaat ttaaganttt anggct 416

<210> 14319
 <211> 51
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-F9
 <400> 14319

atgcattttc gatgacctt gggaacnnag atggttacct cgccttcaca a 51

<210> 14320
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-E1
 <400> 14320

ggttataaca gcgaaatcgt cactgctctt gtgttcaaga ctagtaaggg tacaacctca 60
 ccgccttttg gaatgggtgac tgagaagaaa ttcgaactta aagatggtaa cggaggaaaa 120
 cttgccggat tccatgggaa agctagtgat gttctttatg ctcttggtgc ctatttcgct 180
 ccatcgacaa cttcgactac tccatctact accaagaagc tacaagcaag aggtggtaat 240
 ggaggagctt cttgggatga tgggtgtttt gatgggtgta gaaagatact tggttggtcaa 300
 ggaaacgatg gtgtagcttt tgtcacgttt gagtacaaca aaggctctca agcaatcctc 360
 ggtgatggtc atgggaagaa aacattactt ggnactgaaa cgtttganct tgattaancc 420
 a 421

<210> 14321
 <211> 274
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-B4

<400> 14321

ganacactgc agatctccag cttgaacgta tcaatgtcna ttacantgna tcttcaggtg 60
 gaagatacgt tcctcgtgct gttcttangg atcttgagcc tgggtactatg gatagtanca 120
 agatccggac cgtttggtca catnttccgt cctgataact ttgtctttgg tcagtcnggt 180
 gctggtaata natgggctaa aggtcantac actgaaagtg ctgaacttaa tgatgctgtt 240
 ccntgatgtt gttcgttaana gaagctgaaa aang 274

<210> 14322
 <211> 420
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-B7

<400> 14322

agactgagag aaccaaggct ccgatctaac aatgaggaag aggacgctcg tgtccgtttt 60
 gttcccttttc tcgcttcngt ttcttcttcc agatcaagga agaaagtac acncgaatgc 120
 agaagagagt tccgatgatg ttacagatnc ancanaagtt gaggagaaaa ttggnggtca 180
 cgggtggttta gcgaengatt ccnatgtagt tcatanagag tctgagtcga tgtcaaagaa 240
 aacgcttcgc agtaacgcgg agaagtttga gttccaagct gaggtttctc ggcttatgga 300
 cattattatc aactctctat acagtaacaa ggacattttc ttaagagagt tgatctccaa 360
 tgcttctgan gccttggaca aaattaagtt ccttgcactc actgacaaag acgttttggg 420

<210> 14323
 <211> 107
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-C2

<400> 14323

nngttgata gcggttctcc tcatgaccaa aggggttgca tcatatcttc ctcatgatca 60
 tcatgcaact tggacgagtc ancatggaca tccngactnc actagca 107

<210> 14324
 <211> 482
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-C4

<400> 14324

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aattctacgt nnnccaggccg ggtcanagaa aaccggggccn ncccangcgt caacggaagc 60
ntgggggtttt ccttggttctc caagccagat ctctctccat aaatctctct tcattctctct 120
ctttcgacca aacatccgcg atcctcgatt ctcaattccg tgtctgtttt ttttcttcac 180
ttagcgatgg cgatgataga gcaaaggccg aagacgaaga tcgtttgtac tctangtcca 240
gcttccagat ctgttccnat ggtcggagaa gcttcttagg gctgggtatga acgttgctcg 300
tttcaanttc tctcatggat ctcatgaata ccatcaagag actctcgata atcttcatca 360
agctatgctt aacactggga ttctctgtgn cgtcatgctc gacaccangg gtccagaaat 420
ccgaaccggg gttcttgaaa gaatgggaaa cnaatcaagc tgaaacaang gacaagagat 480
ta 482
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<210> 14325
 <211> 422
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-C6

<400> 14325

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tancanacat tgaagaagat gggagtattc acattcgtat gcaagaatgg aggcggcgcg 60
tggagcgcgga agcaacacga aggagaactt gaatcttcag cttcttctac ctacaagntc 120
cancgtaagc tcgttcagggt atctctctcc gctgattcct ccggtggcgt tcagtcttcg 180
ntttctcttg tctccctac ctccgccgta ttccaggtaa ttgttggtgg tgggtggtgg 240
ggaggattct ctgctggagg agctgcctca agtggagggtg gtgcgggtga agctgcanct 300
gcccctaagg aagatgagaa naanaaagaa gaatcatgaa naagaanaan gagacttcgg 360
attcgattcc cttgggttaa gatttaaata gtaatttggg aggtgttggg tttgancttc 420
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ca

422

<210> 14326
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-C7

<400> 14326

taagctcggt cangtatctc tctccgctga ttctccggt ggngttcagt cttcg 55

<210> 14327
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-C9

<400> 14327

nnnnnngnaa ctgtntancn nctcgtagcc gtccanaaat tcnagggtc naccacnccg 60
tccgaatttc tctgtttttt ttcgttgggt ggttcctcag tggttaccaa atctctcttc 120
ttctttctcg tcagaagcta aaacctttca aaaccctaatt ttcattctatc tatctcaata 180
agtctagatc aaaaattcga atttcaaaat cccgttttga gttttaagta gattcgggtt 240
ctgggttttc gtagaaacgg gattaagggt ggattcaaga tcttgaaatt tttgtgtgtt 300
tctcaaactg attataaatt ttgggtttttt ttttttttaa tttcgtgttt gaaaaatagg 360
gaaaatttcc ngggttcttc tganaaatc gaattttttg gagatgggag aagggtgaaga 420
aggagacaaa ttcccgccaa aaacggatga ngttacacaa gagtctatga agtccgngaa 480
gnaactcnaa tttantgggg g 501

<210> 14328
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-D11

<400> 14328
nactctctca acaaggtgcc atcaccaaga ggatgactgc aattgaagaa atggctggga 60
atggatgttc tctgcagtga taagactggg aactetaacc cttaacaagc tctctgtcga 120
caagtcctta attgaagtgt tcccaaagaa catggatagt gactcagttg tattgatggc 180
tgcaagagct tccaaggatt gaaaaccaag atgccattga tgcttccatc gtcggaatgt 240
tggtgatcc taaagaaggc aagaacnagg aatcacagag gtgcatttct tgccctttaa 300
ccctgtagat aaacgtacag cgatcacata catcgatgaa agcggagact ggcacgag 360
cagtaaagga gtcctgagc agatnattga actctgcaat ctccaangng anacttaaag 420
naaanccac aaattt 436

<210> 14329
<211> 496
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-D12

<400> 14329
nnnnngtang tcnagccna cgnagccgtc cnggattcaa ggggccacnc acgcgtccga 60
atactttctt ctcatagagg aaaaataagt cagtaatctc caagcataag aaaaatatgg 120
ctaaactaat ctcccatgtt actgcgctat tcattgttgt agttttggtg tgtgcgtttg 180
ttctgcttt ttctgtagaa gaagctgaag caaatcatt atgggacact tgtctcgta 240
aatcactcc taaatgtgca ttgaatataa tcgcggttgt ttttggaat ggaaccctca 300
ttgagtcttg ttgcaaggat cttgtccaag aaggaaaagt gtgtcacgat aatctcatta 360
aatatattgc tgacagacca agcttaattg gccgtgaaac acaatacttg aagaagaggg 420
atgacgtgtg gagtcattgt atctcaatct ctaaaactgc ttaaaanaaa gtgnggtttt 480
aaaaataatt ccatnc 496

<210> 14330
<211> 295
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations

<223> Clone ID: LIB25-114-Q1-E1-D4

<400> 14330

ncatcaacag accanacanat ctcaacgcct tatctctcga tttcntcatc gaattcngna 60
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gaaaacactt ctgctccggt atcgatctca attccctctc ttcaatctcg acagaatcct 180
cctccggtaa cganagagga cgatctagcg agcagctacg ccgtaagatc aagtcnatgc 240
aagcggngat tanagcnatt gaacaatgcc ggaaacctgt aatcgnggct attca 295

<210> 14331

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB25-114-Q1-E1-D5

<400> 14331

aagtgattaa ttttggagaa aaccacttct accagaaatt tttagcatgg ggagtgaagt 60
caaccgtcca ctagctgatt ttccagcaaa tatctgggaa gatccattaa cttctttctc 120
aaagtctgac ctcggaactg agacgttcaa agagaagcat agtacgctaa aggaggcggt 180
gaaggaagct tttatgtctt ccaaagcgaa tccgatagag aacatcaaatt tcatcgatgc 240
tctatgtcgc cttggtgtct cctatcactt tgagaaagat atcgtagaac aattggataa 300
gtcatttgat tgtcttgatt ttcttcagat ggtaagacaa gagggatgcg atttgtacac 360
ggttggaata attttccaag ttttcaggca attcggcttt aaactttctg ccgatgtgtt 420

<210> 14332

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-114-Q1-E1-D6

<400> 14332

gggagaatac cccggagact acggctggga caccgctgga ctctcggctg acccgagac 60
attcgctaag aancgtgagc ttgaagtaat ccacagcana tgggcnatgt tgggtgctct 120
cggatgcaca ttccctgaga ttctctccaa gaacgggtgtt aaattcggag aagccgtgtg 180

gttcaaggna ggttctcaga ttttctcaga aggaggtctt gattacctcg gaaaccctaa 240
 cttgatccan gcgcaaagca tcttagccat ctgggctggt caagttgtgc tcatgggggtt 300
 cattgaatgc tanacaatcg gaggtggacc tctcgkanaa gggcttgacc cgctttaccc 360
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<210> 14333
 <211> 421
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-D7
 <400> 14333

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 atttacttat ttcttctctc aaaagaaacc tcaaggctcag cctattctca agaactggcc 120
 gttcctcagg atgcttccag gaatgctcca ccaaaccctt cgtatctacg actggaccgt 180
 cgaggtgctt gaggcgacca atctaacttt ttattttcaa gggccatggc ttantggaac 240
 ggacatgttg ttcaccgccc atccaaggaa tattcatcac atactaagct caaactttgg 300
 gaattaccct aaaggacctg agttcaagaa gatctttgat gttttgggag aaggaatctt 360
 aaccgttgat tttganttgt gggaaggaga anaagaaatt aaatcaacnc cccaatccaa 420
 a 421

<210> 14334
 <211> 475
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-D8
 <400> 14334

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 tcatnggaaa ctaccaccag agatctttga taaagatctc gacgccatct tcttgaacaa 120
 caatagatct gagtcgacca tccccgagac aattggtaaa tcaacagctt ccgttgtaac 180
 cttcgcacac aataaattta gcggttgcat cccaaaaacc attggccaga tgaagaacct 240

caacgagatt gtgtttattg ggaacaacct aagtgggtgc ttaccgaacg aaatcggttc 300
 gttgaacaat gtgactgtgt ttgatgctag cagcaatggg ttctgcggaa gtttgccatc 360
 gaccttgctg ggcttagcca acgtggaaca aatggatttc tctacaata agttcaccgg 420
 atttgtcaca gacaatatct gcaagttgcc caaattgtca aacttcacat tttct 475

<210> 14335
 <211> 429
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-D9
 <400> 14335

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 tggcgtctcc acgcacgatt taacgcacgc aagctctctg cacgcttctt gaaagagaga 120
 gagaagagag agatcgcaga tctgatttctc ttaaattctct cgtgaatccc atttgcttcc 180
 tctctgctag attctctctt ctctctctca cccatttctc gctttctctt ttgttctctc 240
 atctgggttc ttctcaaagc ctcttctctt ttatgccatg gtgggtgcgt ctctctctta 300
 cgcattctcg ttatgtacct gggttggtgc tgcttgcatg tccgtctctc acgggtggagg 360
 agataaccgt cangtgttg ctctcaatc tgggtggcgg antccgcgaa ngaagnaach 420
 taacaaatg 429

<210> 14336
 <211> 505
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-114-Q1-E1-B12
 <400> 14336

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 cacnctcnn gattantgcc ttcaaccgcc gtcgccggat tccattatcg aaggcgacgg 120
 aagcagtatc ttaggttttg tccgacgaag ctccgtttga ttgttatcgg ttccgttgta 180
 ttcgtcgatc ttccatttct gcatttggtt tctatatccg aagatgggaa gcagtccagc 240

cttccgtggt gtatgttgaa gatgtggtgg atagctctcg agcgacatgt gttgagaatg 240
 gtggtgatga cgatgacagt ggctatgatt atgctcctgc tgcgtgattg tctcctatta 300
 gtataatgta atttagaaga aaaaaanaaa aaaaaaaaaa gggcgg 346

<210> 14339.
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-G6
 <400> 14339

ctactctctc ctcaaaaact caaaagagca aaaaaaagag aagaagaatc aaaatccac 60
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 tccctatcct cegtctcagt tctcggcgca tctcaccacc acgcaacggn gccggctccg 180
 tctgtagact gttcgactct cataactcaac atggctgact gtttatectt cgtttcgagc 240
 ggaggcacgg tggcgaaacc ggaaggtaca tgttgctctg gtcttaagac ggtgcttaaa 300
 gctgactctc agtgtctatg tgaagcggtt angagcagt cttctcttgg agttactttg 360
 aatatcacta aggcttctac tcttcccgcc gcatgcaagc ttcacgctcc ttctatcgct 420
 acttgtggat tgtctgtt 438

<210> 14340
 <211> 508
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-G9
 <400> 14340

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 ggctgaccca cncgtccggg gagtttcatg ttaaaaagaa atgaagctct cttgtttggg 120
 ttttctcata gtatcgtctc ttgtttcgag ttctcttgcc accgctccgc ccaacacatc 180
 tatatatgaa agctttctcc aatgtttcag caatcaaaca ggtgctctc ctgagaagtt 240
 atgcgacgtc gttctgcctc aaagcagtgc cagcttcaact ccaaccctac gtgcctacat 300

gtctccacca caccggatcg aattcggggc accgaagttg tcgtagtcct ctccgggtcaa 300
 tcttcactgc taattgtcta ctccacttcg ctttctgctt ccgctctcca gtggctttcg 360
 ccgcttcaaa ctttctccaa attgcatect tatgtctaca cgcagtgta agcgattcac 420
 gccagatcca t 431

<210> 14343
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-H6
 <400> 14343

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 aatctccctc tctgccccta gctgcatacg tagtagctcc acgggattga ctaggcacat 120
 taagcttggc agcttctgca atggtgagct catggggaag aagctcaact tgtctcagct 180
 tccaaacatt cgtcttcgat cttctactaa cttctctcag aagagaattt taatgtctct 240
 aaatagtgtg gctggggaga gtaaggtaca agaacttgag actgagaaaa gggatccaag 300
 gacagttgct tccattattc ttggaggtgg agcaggaact cgactctttc ctctcacaaa 360
 acgccgcgcc aagcctgccg ttcctatcgg gggagcctat angttgatag atgtaccaat 420
 gagcaat 427

<210> 14344
 <211> 430
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-113-Q1-E1-H7
 <400> 14344

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 agtgttaaag agtcaagatc acaaaaagtt ctatcgggtg atctgggctg ctttcttttg 120
 taatctaatt gcagaaactt tgctctgact tggatagctt cgtaaaaagg tcaatctttc 180
 tccgtttttc atcaatgagt agtaactaat ctggaaattt gttgggagag aaagggcaca 240

tgctcagagt ccgaagcaga gatggattgg agagagtgag tgtagatgga cctcatatca 300
cagtctccca actcaaaacc ctaatccaag atcagcttca gatccctatc cacaacccaaa 360
ccttatccac caatagaaac cttctcctcg ctaagagccc ttctgatttc ctaangttca 420
ccgacatggc cgatcctaac ctccggaatc ctcgctctct caatccaagc tcaacgggtc 480
taagggtccn accttgccctt acgna 505

<210> 14347
<211> 499
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-A11

<400> 14347
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gcgtccngc tctcatcag tgttcgtct acgtcggcgg anccntgggc antagaatca 120
ttttacctat antgtttccc gctttggaga aaaanggtag cagcnattgg aatcaggctg 180
tgaaganctt gacagacaat gttctcaagg ttttgtccga tncaaactct gattttattcg 240
aagaatgttt gcacaagttc caagaagatc agcaatnngc agaagatact aaaaagaaga 300
atggagaaac ctggagacag ctagaggaga ttgttgcttc aatggcgaag taagagtttt 360
ttctgcactt tacgtgattc aacaagaaat cggtttattg ttttgttttg tttcctttac 420
gcctgaaagg tatatacatt tactttgcct tgccctggctc natttaattt ccgggggttn 480
gnttttaaga ctantttaa 499

<210> 14348
<211> 449
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-A3

<400> 14348
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ataagaagga tangaactag gacgataaaa ntggnggagg anaagaaggg gaagatcang 120

agaagaagag caagagnaaa gataagacgc cgaagaaaga gangaacct gaagataaga 180
aagatccaga gaagttgaag atgaagcttc agaagattga agaaaagatt caagctatgg 240
tcttaaagaa aagatgagat tgtgaagctt attcatgatg ctgaacaagc taagcctagt 300
actgctgcag tagatgcacc accaccaact aactaattca aatacacaaa ttatatacta 360
caataagtta actaatatat tttgtcaata acaaagctg ctgaatgtta tttcagcgta 420
nctgggaana ggcctttgtt ttgttttgt 449

<210> 14349
<211> 492
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-114-Q1-E1-A5
<400> 14349

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cgcgtcangc catgactgga gacggagtca atgatgctcc tgctctgaag ttggctgata 120
ttggtgtggc tatgggcatt tccggcacag aggtagcaaa ggaggcatct gacatggttt 180
tggcagatga taatttcagc accattgttg cagctgtagg tgaaggcagg tccatctata 240
acaacatgaa ggccttcac aggtacatga tctcttccaa catcggcgag gttgcatcga 300
tatttttgac agctgctctt ggaatcccag aaggcatgat cccggttcag cttctgtggg 360
taaatctcgt aacagacggt cctccagcta ctgctttggg gttcaacccc cctgacaaag 420
atattatgaa aaagcctcct cntaagancg atgactcccc taacaatgcc tggattctcc 480
ttccgcaaaa ng 492

<210> 14350
<211> 494
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-113-Q1-E1-G10
<400> 14350

nnnnnngant ntaaacnctc agcagnnctg aancggtcag aggtcgaccn acccgctcgt 60

gcgttttctg tatttgaaga tatggtaaaa gaaggcatga aaccagatgt tatactatac 120
aacaacatca tctcagcatt ctgcgggatg ggtaacatgg ntcgagcgat ccagactggt 180
aaggagatgc aaaagctgag gcatanacca accacacgga catttatgcc tatcatacat 240
ggatatgcga aatccggaga catgaggaga tctactagaag tttttgatat gatgagacga 300
tgtgggtgtg ttccaacgt tcatactttc aatggtttga ttaatggttt agttgagaaa 360
cgtcagatgg aaaaggcggg tgagatatta gaccaagatg acattggcgg gtgtnagtgc 420
aaacgaacat acttacacca nagatnatgc aaggctatgc atcaatcggg gatacccgga 480
aaaacccttt gagt 494

<210> 14351
<211> 226
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-112-Q1-E1-F11
<400> 14351

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tgaactggct ttgcaaaaat gtaatgtttt gatgtaatca tgtgtaagtg taaacacaaa 120
ggatatgtga aaggagaagc acataagtat tattatgtaa gaaacattat ttaaaacca 180
taatcataat gtatctctta agtataaaaa aaaaaaaaaa gggcgg 226

<210> 14352
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-112-Q1-E1-F12
<400> 14352

agttccgact ttttgcttct cccagaggct aatcatggac gctgtggcgg cgaatttggt 60
tcaatctect tcttactgc gtcaaacttc cgaaagggtg atattttcga cgcccaactg 120
tcttggttct atgcgaatta gctccggacc tcaatttcgt ctcagacaaa actcttctct 180
taaattctcg agaccatttc aaagcgggaac aacttggtgt aaatctcgga gaagctttgt 240
ggttaaagct tcagcttctg gtgatgcttc aacagaatca atcgcgccgc ttcagttgaa 300

gtctcctgtg ggacagtttc tgtcacagat attagtgagc catcctcatc ttgttccagc 360
agctgttgaa cagcagcttg aacagctcca aaattgattg agacctgaaa gaacagagta 420
aaagatgcat cc 432

<210> 14353
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-F2
<400> 14353

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gtaacttcna ccatgggttg aaaaaatncg tgnccccgaa acgtcnccgg aagcaaaaac 180
aagcgggttca agcgacggca aatgggtggca aaactgttgc ttcaaattgga accgtagcta 240
acggcgagga taacgttttc cgttcggttg aagagcaagc tgaggatcgt cgacgacgga 300
tcttagcggc gaagatgact gctattgatt cagatgatga tgggtgttgtt aagatctaaa 360
catcgatcta atggggttacg gtgatgatgg gtatgatatt gatggtagtg atgatgagat 420
cgcaacgctg ag 432

<210> 14354
<211> 427
<212> DNA
<213> Arabidopsis thaliana
<223> Clone ID: LIB25-112-Q1-E1-F3
<400> 14354

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actttgttct tacacgagct gagttattat cttaacacac ttacagtgca ccagatgtca 180
gtggacttaa agcgtggaga aactcttcca attcatgtaa atatgacgtt tccatcttta 240
ccttgtgatg tactgagcgt agatgctatc gacatgtcag ggaagcatga agtggatctt 300

agaaaaggag ctatatcagt ttctggatct tcagcttcag agtgacttga atgaagaaag 420
 gatgaggcac tatgaggtgg ttactttgat tcatgaaaaa catgctgagg aggttgaaag 480
 cattaaccag aaagtaca 498

<210> 14359
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-G10
 <400> 14359

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 tacaatgaga atattaagct acggaatcgt tattctctct ttactcgttt tctctttcat 120
 tgaatttggc gttcacgctc gtcccgctcg tctcgctctc tcaaatacgc atctcaatag 180
 cggcgggcat gataacggag tcggagagtc ctctgacttc gatgagtttg gagaatccga 240
 acctaagtcc gaagaggagc ttgatcccggt ttcattggcga tcgatcttcg agccagatga 300
 ctcaacagtc caancagcct cgccgcagta ctactccggn ctcaaaaaga ttctatcggc 360
 ggccaattga gggaaatttc aggttgatgg aagaancagt ggatganata gaggctgctt 420
 cctcagctgg ga 432

<210> 14360
 <211> 226
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-G11
 <400> 14360

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 tcanaccga accctaattt tctgaaatcg cagcagagag agagagagag gtttcttcgg 120
 aattctttca ncatcaattc gctaactttg tttttttggg gttaaatcga ttaatcgta 180
 ttttattaga tactgtcnat cggagctaan caacnctenc ttaaca 226

<210> 14361

<211> 430
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-112-Q1-E1-G12

 <400> 14361

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 aactttcttc ttcaatccct ttgatttttt tttggctcta cttatcccaa acccttcaaa 120
 tcttcaggtc caatctcttc ttctatttgt tttttaatta aaaaaatccg gcgaaagggtg 180
 aagctcttgg attcgagtggt tggctagtaa tcgatttcgg tagtttagaa gtagtttata 240
 ggttttatca gctttcgatt tgatggagcc gcgagtcgga aacaagtttc ggctcggaag 300
 gaagatcggc ggtggatcat tcggagagat ctatcttggg accaatatcc agacgaatga 360
 agaagtggct aataaacttg aaaatgtgaa aactaagcat cctcaagttg ctgtatgaat 420
 caaagttgta 430

<210> 14362
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-G2

 <400> 14362

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 gtgaaaacat tcaacgaagc tctggatacc acgcagacag tcatttggaa tggaccaatg 180
 ggagttttcg agtttgaaaa gtttgcaaaa ggaactgagg cggtagcgaa taaactagca 240
 gagctaagca aaaagggagt gacaacgata ataggaggag gagactcggg ggcagcagtg 300
 gagaaaaggg gagtagcagg agtcatgagt cacatctcca caggtggtgg tgccagtttg 360
 gagctcttgg aangcaaagt gcttcccggg gtcgtcgctc ttgatgaagc aacgccagtc 420
 actgtttaac a 431

<210> 14363
 <211> 428

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-G3

 <400> 14363

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 tcttcagttt ctgggggaaat taggtgggga ggtgaaaaag ggggaaatat aattgaaatt 180
 ggggttctctc tgctgtgcaa taataatttc tgagaggatt gtgaagaagc gcttttatgt 240
 aagaagatat ctcattatta gttatttaca tgagaatctg acattcttaa caactgtctg 300
 tgggggttagt tttgtccaaa gaactataca gagatgtctc agaccaactg ggaagctgat 360
 aaaatgttgg atgtctatat ccatgattat ctgggtaaaa gagatttgaa agctacagct 420
 caagcttt 428

<210> 14364
 <211> 438
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-G4

 <400> 14364

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 ttcagaagaa aaaaatcaaa gaggtcatca cccatggaca ttgagaaaac cgataaccag 180
 cctttcactc ttgcttcaaa cgactttcac gaaaacaatt ccattcagag ttcttcatca 240
 gttgagacaa agaaactgga cacttcattg tctattaatc ttcgacctcc accaattgat 300
 agaaacaaat catttgatga tgaagattcg acaagaaagc ctattgctgt caagaaatcc 360
 acagtgggtgg ttccttcaaa tgtgagactc tattcagttg cagatctcca aattgctact 420
 gggcagtttc agcgtana 438

<210> 14365
 <211> 427

<212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-112-Q1-E1-G7
 <400> 14365
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 ttgagactcc caagacggat tttgatttct ggaaaactct ttttccggtt gctgtggcac 180
 acacaattgg tcatgtggct gcaacgggtga gtatgtcaaa ggttgctgtt tctttcactc 240
 acatcatcaa gagtgggtgaa cctgcgttta gtgtgcttgt ctcgagggtt attttgggtg 300
 aaaccttccc tacttcgggt tacttgtctc tcattccaat cattgggtgtg tgcgctctgt 360
 ctgcccttac cgagcttaac ttcaacatga ttgggtttca tgggaactat gatttcgaac 420
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 <210> 14366
 <211> 380
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E9
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 ctctctctct gcgcgacttc gaagatcaac atccatggcg tcacaggtaa ggtcagtaaa 120
 agttggcaat ctctcttcag gagcaactga gcatgatatt aaagagtttt tctctttctc 180
 tgggtgaagtt taaagcatcg atatccaaag taaccagcat agtgcttatg tcacatttaa 240
 agaaactcaa nggagcaaag actggcgtgc tcctaaccng ganccaatta ttgccgttaa 300
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 aanacaaaan ccaancgggt 380
 <210> 14367
 <211> 433
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-C4

<400> 14367

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ccacgaggaa atctcagtaa atactatggc gaccaacgaa cccgancacg agcacagana 120
cgangaagag gccggagcta acgaggatga ngacaccgga gctcangtcg ctccgatcgt 180
tangcttgan gaggttgccg tcactaccgg cnangaanac gaagatgccg tccttgatct 240
gaaatcgaag ctttatcgat tcgataagga tgccaatcag tggaggaga gangagctgg 300
tactgtgaag ttcttaaagc ataagaacac tgggaagatt cgtctcgta tgaagcaatc 360
tanaactttg aagatctgtg ctaatcactt cgtaaatacg ggcatgantg ttcacgaaca 420
cgttgggaat gaa 433

<210> 14368
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-C5

<400> 14368

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gtttcgtctt tcagaagcca gttactctaa aagaaggaga gaaccactta accatgctag 180
gtgttttgac gggatttccg gatagtggat cttatatgga gcatagatac acaggtccac 240
gtagtgtttc catcttangt ttgggctctg gaacacttga tctcactgaa gaaaacaaat 300
ggggaaacaa ggtgggtatg gaaggcgaaa ggcttggtat ccacgccgaa gaaggattga 360
agaagggttaa atgggaaaaa gcntcangga aagaaccngg aatgacatgg tancaaacat 420

<210> 14369
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-D2

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 gtaaaggcta atggcggttg tgaagcggat cgacgacggc ttcgccgatt gagatgctct 180
 gttaaggatt acgattgggg caaaattgga tcggattcac tcgtttacag ggtttatgcg 240
 gcgaattcag attacgagat cgatcctaca cgaccttacg ccgagctatg gatggggact 300
 cacgagtctg gtccgagtta cttggaggat gctgatggat ccaatggcgt gacccttaaa 360
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 atcccccc 427

<210> 14370
 <211> 54
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-D5

<400> 14370
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<210> 14371
 <211> 431
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-112-Q1-E1-D6

<400> 14371
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 ttagctttta cccacagctg attttgaatt tccgtaggag aagtgttggt ggattgaact 180
 tcgaattcgt gatgttgaat ttgacaaagc actcgctcgt tatgatctac aatgtctgcc 240
 tctaacttag tctgttatt caaaagcagt actttgacac ttatggcgat aaagagatga 300
 tacctgtggc tgcaaatgat gttgcattct cgattcatgc agttgtaatg acagctgtta 360
 cactgttcca gatctttatc tatgaacgtg gacctcaaaa agtatccaga cttgctatag 420

gtatttggt t

431

<210> 14372
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-D7

<400> 14372

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cgtenncctc aacacaaaat gttgatgccg agatgacagc taaatgtgac ggtcttttca 120
aggccatgtc tgcattgagt gctagtaaag gcgtcaaate agcggatgct gggagtatga 180
agatgaccat gttgtcgatg ggaaagactt tggttgagca gaagaagaat acaaagataa 240
tgacattgaa ggaaaagaaa gagttgggtca tagatatggt gaaatggact aaaatggtcg 300
ctacatttgt gaagtcggcc tccgagcaga aaggaaagtc tatcaatata gcatcttatg 360
gtcttgatgt cgatgttaac gatagttcta ttgtcgggtg agctgcaagt agtgaatcat 420
cctccactaa atctggatct gtttccagta ncggaagtgt ttctaccaag tcnaaagaat 480
cgagtagtag tggaa 495

<210> 14373
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-D8

<400> 14373

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aatccgttga tttctatagg aaaatcccga gggatttgac agaggcgtct ctgtctggtg 120
ctggattgtc cattatagca gccctctcta tgatatttct atttggaatg gagttgaata 180
attatttggc tgtcagcact tccacatcgg tcattgttga caggagcgt gacggagact 240
tcttgcgctt agattttaat ataagcttcc cgtcactttc atgtgaattc gcatctgtgg 300
atgtcagtga tgtattagga actaacaggc taaatgtaac aaagacaatt cggaagtttt 360

ctattgattc gaatatgaga cccactgggt tctgagttca tgccggggaa gtttatcact 420
catt 424

<210> 14374
<211> 320
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-D9

<400> 14374

acctttctct cccctgtata tgtagatgct tcttgatcaa atggagacct agctagcact 60
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ttcttttagt tctctgatgc ttcttctctt tctttctttt tttgggtggg ggtatttgta 180
tttctagtca taacctttct cgctgcaga tatgtgaaag atagagagag agttgataac 240
ttttttcttt gtgtcatgag agtgagtgc tgggagggt caataatct ataaacttgc 300
agaaaaaaaa aaaaaagg 320

<210> 14375
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-E1

<400> 14375

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aaccgacccg taaaccgaaa tctcaaaag aaattgccga tcggtttgct actgttcaaa 120
acctcgggtgc cgagaaccga aactgtcgggt tttttcgggt cgggtttctc gggttcttcc 180
gaactcccaa gctaatttg gttttanttt tcacgaagtt ttgcttctcc tttcatcggc 240
gacgacgacg tcgagtttct gtcaaaacgt taacgattcg actcnancgt ccacagtnag 300
agaagaagac agcgattgtg tgtanatnga cggggaacgt gtgtenattc gtctcgatng 360
acggagaata cgtttcgatt cggtttcgat tcaaatcgga gaatttgagg atctaaa 417

<210> 14376
<211> 498

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E10

 <400> 14376

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 gcntctanan ngtnctctat catctccggc gactccagga gcgcctcttt gcacctctct 120
 tcttctctcg ctctctgttt ctgaggttct gcaagaagta aancatgtca gttcttattg 180
 tgacgagcct tggatgatata gtaattgacc ttcactcgga taaatgccct ttgacttgca 240
 agaacttcct taagctttgc aagatcaagt actacaatgg gtgtcttttt cactctgtgc 300
 aaaaggattt cacagcacan actggtgatc caactggtac gggagctggt ggagattcaa 360
 tctacaaatt tctgtacngt gagcangctc gtttttacia agatgagatt catcttgatt 420
 taaaacattc anagaccggc actgttgcaa tggccaatgg tggagagaac tcantgcttc 480
 ccagttctat ttcacact 498

<210> 14377
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E11

 <400> 14377

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 tgatgagaga gatgatgtga ttgtcatcgc agctaaattc tttgaaatgg cagttgagca 120
 gaatttcacg aaaggccgca gaactgaact agtacaggct tctgcctct acttgacgtg 180
 cagggaattg aacattgcgt tgcttcttat tgatttctca agctaccttc gagttagcgt 240
 ttatgagtta ggttctgtat acttacaact ctgtgaaatg ctgtaccttg tggaaaatcg 300
 gaattatgaa aagcttggtg atccttcaat tttcatggat cgattctcaa acagcttatt 360
 gaaaggaaaa aataataaag atgttggtggc aacagctaga gacattatan ctagtatgaa 420
 gagagat 427

<210> 14378
 <211> 54
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E4

 <400> 14378

ttaattcatc gaattattca tgaattttcg gtgttatcgc gtcattctnnt ggat 54

<210> 14379
 <211> 396
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E6

 <400> 14379

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 gctatgggaa tcaaaattaa cagtcgcaga agccagtaat aatggagtcg ttgcttcgag 120
 ctgatcaaac cctaattccg ggagcgatgt gtagccgcag agtttggaca cactcagaac 180
 tggctcttcc ctcaagtgcg gtaactgaat tggatctggg gaaaagtcta ttacaagctt 240
 tgcaaagtcc gtcaatccct tccttttctg ggaaccaaac tggacaaact ttccgcgcca 300
 aaaatcatat aagcgtcccc caatttgtcc caatcnaacc ntcangttcc tccccnctg 360
 ggnttccgga atccccgtan aatggtttgn aaaccc 396

<210> 14380
 <211> 490
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-E8

 <400> 14380

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 gagattcctg ccatgaaggn tactgccttg aggtttactg aganggctaa ggctaagaat 120
 tgagaaagct ggtggagagt gcttaacctt tgaccanctt gctctcagag ctccattggg 180

acagaacaca gttcttctta gaggaccaaa gaactcgcgt gaagcaatga agcatttcgg 240
acctgctcct ggtgtgccac acagtaacac taanccatat gttaggcata anggaaagaa 300
gtttgagaaa gctanangaa agcnaaaaaga atccttggat tcaangtcca aaaagatggt 360
ttcctggggt ctttttgcct ggggttaagta accaagtttt gggtaaggaa anccgggtcc 420
tccttaaccn gttncagact tggtttaaata tccgggtttt caatcccaaa gacaattggg 480
taaaaaaaaaa 490

<210> 14381
<211> 478
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-C3
<400> 14381

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tttagacaga gacgatggaa acaaagagcc tttggtcgtg gatagtagcg atagtacagt 120
gaacaacgaa gtccttttgc cgcaaacgaa actgggttgc ctgcagctaa caacagatca 180
cagcacaagc atcgaggatg aagtaacaag aataaaaaaac gagcaccccg atgacaacca 240
ttgcatagtg aatgacaggg tgaaaggacg gcttaagggtg accagagcgt ttggagcggg 300
attcttaaag cagccaaaat tgaacgatgc tttgctggaa atgtttcgaa acgaatacat 360
tggtagcgat ccatacatat catgcacacc ttcccttcgt cactaccggc taacagagaa 420
tgatcagttt atggttctct catcggtatg attgtaccaa tacttgagca atgtggaa 478

<210> 14382
<211> 417
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-H1
<400> 14382

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ttagttctat tcatttttcc ctctctcttt tgcaaagatt tggtagaaga agaaaaataa 180
 aaagagttat aatcaatcag atcttgtttt aaagtgcaga ctctttattc tctccctcac 240
 ctaaggcttc agaaccgtaa ntttaaaacn aaaancgaan caatnccngg agaataggaa 300
 agaaataatt gatggttcaa gtgaagacaa nnaaaaaaaaa gcgaagactt acatccgggt 360
 catcganttg agaaagtctc ttattgtaac tcaagttccg caatgggtag gnacaaa 417

<210> 14383
 <211> 511
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
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 <400> 14383

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 aagattctca aactcctaaa acttcattctt aaaaacttaa caaacaaaat tctaattacg 180
 aaaaatccca atcctagtgt ttctcttggt ggcttttttg tttgatctgt ctgtaatttt 240
 ttttttggtt gatctgtggt ttgttttgta aaaattccac tcgtcagcac tcagattaat 300
 ctcttgcca ttgatctatc tatcgacttg cttcgacttt tgatttgaga tttgcgaaaa 360
 ttaaggtttt tgtttcgaaa ttagtggttg tgtcanctaa atgaacgatt aatctaagct 420
 ggatgaatcc cgccaactcc aanagcaaaa tggattgggg caagcctcca acggcaacag 480
 aagggatgaa tcccgccggc cggccgtnaa a 511

<210> 14384
 <211> 545
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-H3

 <400> 14384

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gttatctgat aagaaagagg agaagaagat gaagaagaag atggctttgg ataccccaga 180
gcttgattct aagaagggga agaaggagca gaagctgaaa ctatctgatt cggatgaaga 240
agagtcggag aagaagaaga gtaagaagaa ggataagaag cgtaaggctt ccganggagg 300
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ggttaaagtt tgggccgttt gaagggattg tttgaaagtt tgataanccc taatgcctgt 420
ttcctaaagt tttccgatt ttctgccgcc ctttgaaggg gaaaaagcct taaaggcnaa 480
atnggtaatt gaaagctcct ttttcccgaa ttcaaggctt ccaacgtttt gataatgggt 540
tcenc 545

<210> 14385
<211> 493
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-109-Q1-E1-H4
<400> 14385

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ataaaaagaa gcagaaaaga gataatgcag ggtggtaggc ttttgacggt gttggtgtgc 180
ctcgctcca cggtggcgtt ggtgagcgcc ggtgaccctt acttctacta cacgtggaac 240
gtaacctacg gaaccgcgcg gcctctcgga attcctcaac aggtgattct catcaacgga 300
cagttccctg gtctaacct aaactcaacc tccaacaaca atgtcgatcat caatgtcctc 360
aacaanctn acgaagcctt cctccttgaa ctggaattga acccancccc agggaanaan 420
ccatggcaaa aatggtntta acngggacct catgcnaa ccaacaggna ncaaanttca 480
cttacaattt cca 493

<210> 14386
<211> 432
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-A12

<400> 14386

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tanatatgga acagttgctg tcagaagccc aacacaggtg gcttaggcct actgagattt 180

gtgaaattct tcagaactat cacaagtttc atatagcatc agagtctccc acccgacccg 240

ccagaaggta ctgagatatt ttaggaaaga cggacataac tggaggaaga agaaagatgg 300

taaaaccata agagaagctc atgagaagct caaggtagga agcatagatg tgctacattg 360

ttactatgca catggggaag ccaacgagaa tttccagaga cgttgctact gggatgcttg 420

aacaacattt ga 432

<210> 14387

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-112-Q1-E1-A2

<400> 14387

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tagattagct cagaaatttt tctaaccttt tcttctctgt cgatctaaca cctgacctcg 180

atttttcggt accgatacca ccatttttga ggtcagagct accgttttcg tatctgtgtt 240

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tttattcgcg atcctcggat tttcgctgga tgatcttttg tgcttctct atacgttttc 360

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-112-Q1-E1-A6

<400> 14388

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tgttcgagca gatcagattg atctaaaaag cttagacgag caactagaga gacacttaag 180
cagagctttg acttttagaga agaacaagaa gaaagatgaa gaanacacaa ccgccgtcgc 240
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gaggaaacag agacttgagt gggagatcga tccttctaaa cttatcatca agactgttct 360
tgctcgtggc acttttggta ccgttcancg tggactacg ac 402

<210> 14389
<211> 501
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-A7
<400> 14389

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agaagattat ctttgggtgat ggagtattgt ggaggtggaa gtgttgctga tcttatgaat 180
gttactgang aggcgttaga ggagtatcag atagcatata tatgtcggga ngcgttgaan 240
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ttgttaactg aacaaggaga ggtcaagttg ggtgactttg gggttgcagc tcaacttact 360
cgcaactatgt cnaagcgaaa cacgttcatt gggactccac attggatggc ccagaggtt 420
attcaggaaa atcgttatga tgggaaagtt gatgtntggg ctctggggtg tttcagctat 480
tgagatggca gangggctcc c 501

<210> 14390
<211> 504
<212> DNA
<213> Arabidopsis thaliana
<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-B11
<400> 14390

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tgaccttctt cttcttggtta tcgaatttgt tcttctccgg agttatgtca aggagcttca 180
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cgatcatcatg ggggggctgt ttctggggaa gaacactctg ctcaaccgat tccgatggaa 360
aattctcgtg tgccaccgga gattgcggtt ccggaaaaat cgaatgctcc ggcgctggag 420
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cgatgtcagt ctgctcgacg ggta 504

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<210> 14391
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-112-Q1-E1-B4

<400> 14391

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gatgcagaag aagctacttc ttatagtatc aatcatcttg aatctcgtat tcaccattca 180
tattctttat tatagttcaa ccacatggaa tccaacgtgg accaacagag ctgcagcgga 240
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<210> 14392
<211> 227
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-112-Q1-E1-B5

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<400> 14392
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 cttgcaaaca ttgttcttac tataagcttc cttttatggt tcagacttgt ttaagatttt 180
 aatcaaaaag aaagtttcag acttttaaaaa aaaaaaaaaa agggcg 227

<210> 14393
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-112-Q1-E1-C1

<400> 14393
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 agaaacgaat atgagcttaa cgagtgttta agcaaatggc aaaagaaggg ttttcaagtc 180
 actgggttcgg tctgtgacgc atctttgaga ccagagagag aaaagcta at gcagactgtg 240
 tcttcaatgt ttggtggaaa gctcgatata ctcataaaca atttgggagc gattcggtca 300
 aaaccaacgc tggattacac agcagaagat ttctcgtttc atatttcgac aaacttagaa 360
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 taatttca 428

<210> 14394
 <211> 427
 <212> DNA
 <213> Arabidopsis thaliana
 <223> Clone ID: LIB25-112-Q1-E1-C12

<400> 14394
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 accctactac ttcttctctt ttcaacaccc atcaccatcg tcaccacttg gccaaagcaca 180
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ttccttctaa ccagagaatg agttggagaa gagactctgg tctctctgat ggctctgctc 300
 ttcatgtgga tttggttgga ggggtactatg atgcaggaga caatatcaaa tttggtttcc 360
 caatggcatt cacaaccaca atgctttcat ggagtgtaat tgaattcggg ggactcatga 420
 aatctga 427

<210> 14395
 <211> 498
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-112-Q1-E1-C2

<400> 14395

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 aagagtcaga tcggcgagcc tgagatgggt tgggggttcgg tgttgctatt actggcggtg 180
 gctcttcttt gtcagagggc aagttcaatc ggagctaact ggggcacaca ggcgtcgcac 240
 ccacttccac cggacatagt tgtgcggatg ctaagagaga atggtattca gaaagtaaag 300
 ctctttgacg ccgaatacga cactctcaga gctttgggca aatccggaat cgaagtcag 360
 gttggtattc ccaatgagat gcttgcgact ctgcctcta gctgaaagc tgctgagaaa 420
 tgggttgcta aaaatgtctc tactcacatc tccaccgaca acgtcaacat cagatatgtt 480
 ggctgttggg aatgaacc 498

<210> 14396
 <211> 413
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-109-Q1-E1-G7

<400> 14396

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 ggaagaagct aagggtttgg attacatacc ggagatagta ctgaagaaga ggaagaacag 120
 agatgagctt gcctttatca ggaagaagca acttgagttg ggtaattccg gcaagaagaa 180

gaagaaagtc tctgatataca aacgtcctga agatttttgtt catgagttca gggctaagga 240
 agtagatatg atccggatga agcaaaagag taaagaggcc aaagtcattct cctccaccag 300
 ttaaattctga cctgggttttc atcatagca ttcaaaggca aagaaatgat atgcacacaaa 360
 ngaccaagag gatcctaaca atttgcaact aaaganctct ttactggtgt att 413

<210> 14397
 <211> 104
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-F2

<400> 14397

nancagcaaa ccgttggttc aattgagaaa ggtggaaaca atgttnaagt tctaaaaagg 60
 agttantggc tgggattctg ggaccgggac tcaagggatc tanc 104

<210> 14398
 <211> 432
 <212> DNA
 <213> Arabidopsis thaliana

<223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-F3

<400> 14398

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 tgtttccttt gatgatattg gagctctgga aaatgtgaaa gaaacgttga aggagttggt 120
 gatgcttcct cttcagagac cggaattggt tgacaaaggc cagctcacia agcctacgaa 180
 aggtatactg ttgtttggac ctctctgggt ctggaaagac gatgctggca aaagcagtag 240
 caactgangc tggcgcaaat ttcataata tctcaatgtc cagcattact tcgaagtggc 300
 ttggtgaggg agagaagtac gttaaagctg tcttctcctt agcgagcaag attgcgccaa 360
 gtgtcatttt tgttgatgag gttgatanca tgtttgggta gacttaaaat ccaggggaac 420
 atgaanctat gc 432

<210> 14399
 <211> 427

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-F5

 <400> 14399

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 agatttggtc tttcaatctg aagttttcttt ctttttggtt gtctgaaatg agcagtgaca 180
 gctttgggtg ctgtgaagaa tgaattgaat gatccgtaca aagttcttga gaattgggat 240
 gtgaattcag ttgatccttg tagctggaga atggtttctt gcactgatgg ctatgtctct 300
 tcaactggatc ttcttagcca aagcttgtct ggtacattgt ctctagaat cggaaacctc 360
 acctatttac aatcagtggg tgttgcaaaa caatgcaatc actggncaan tccgggaaac 420
 gattggg 427

<210> 14400
 <211> 407
 <212> DNA
 <213> Arabidopsis thaliana

 <223> Clone ID: LIB25-108-Q1-E1-F7

 <400> 14400

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 aatccctaga cagataaatc tagaatcact caaatctctg ctcttcttcc gattcagatc 120
 gtatcgaatt ttgaattttg tatctcgcta cactgttcga ttgagaattc tttttttccg 180
 attgattcga atcggatttt gtttttttcc tcgatataga atgacttcga atcaacgtat 240
 gttgttctac tctgcattg cgaaaggaac agtgattctc gcagaattcg cttcaaagga 300
 agagccagga atcgaagatc tagctttgag atgcattgag aacgtactcc acatcattcg 360
 atgatctctc acacagtcca taagagaact acgctttgga ttatcga 407

<210> 14401
 <211> 437
 <212> DNA
 <213> Arabidopsis thaliana

<223> Clone ID: LIB25-108-Q1-E1-G1

<400> 14401

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gtctgatgtc tgatcttcta ggtcacctcc acaaattcga acaagaattt gtctttatgt 180
gcaaaaccaa aatggggagtc aatgcttcag agccaaaacg aacacgatcg cgaccaagtc 240
aatcgcaggg gaggcacccg tcgacgaaga cgatctccgt caacgagcaa caccggcaca 300
acaacaacca cgacgacatc gaattctaac aaaactgggtg cctcctcttc ctctccggt 360
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cgggaaatcc tcacatg 437

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<210> 14402

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-G10

<400> 14402

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taataaaagg ccgccatgga tttagatcaa tggatttcca aggttaaaga cggccaacat 180
ctctctgagg acgagcttca acttctctgc gaatacgtga aagaaattct tattgaggaa 240
tcaaatgtac aacctgtcaa cagtctctgc accgtctgtg gtgatatcca tggccagttt 300
catgatctta tgaaactttt ccagaccgga ngtcatgttc ccgagaccaa ttacatattt 360
atgggggatt ttcgttgata ganggtacaa cagtcttgaa gtttcaccaa tcctttgctt 420
cctaaagcaa g 431

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<210> 14403

<211> 506

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-G11

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attgtccacc canttttagct gccanaccag agtttcaatc tcaccgaact ctaaattctat 180
ctccaancct ccgtttctgg taccggtgac ctcaattatt caccgcccga tgatctccac 240
cggaggaatc gctgtttccc ccgtagagt tttcaaagtc cgagccacag atacnggaga 300
gatatgatca gctctattgg cggcggagga agcaattgaa gacgtggaag agacggagcg 360
gctaaagaga tcgctcgtgg attcgttgta cggaacannt cgaggtttaa gcgcatcgag 420
cganaccana gctgaaatcg gagatctaata cacacagctc gagtctaaga acctactcca 480
gctccgacgg gaagctcttt tccttc 506

<210> 14404

<211> 507

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-108-Q1-E1-G12

<400> 14404

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aacagactct aaattgcaca tgtcnagta actacaagan atgtcaaact gtccaannac 120
gnactcctt ttaacgggcg ttgcccac caccaccgtg cgagttacaa tentccaatc 180
ctccaccgtc tataacgana ctctgccan tatanacana gcggagnagt atattgtggn 240
ggcggcaagc aaggagcat anctagtgtt gttcccgag gggtttatcg gtggctatcc 300
tcgaggtttt aggttcggtt tagcggttgg cgttcataac naanaagggc gtgatgagtt 360
tcggaagtac catgcttctg ctattcatgt tctggccct gaagtagcaa gattggctga 420
cgtggctang aaaaaccatg tgtacttggg aatgggagcc atanagaagg aanggtatac 480
ctctactgca caattctttc tttngcc 507

<210> 14405

<211> 440

<212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-G4

 <400> 14407

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 tgaggcttca gattcgggac taattttcat tgaaggctct ggaccaacat atgccacttc 120
 aacgacattc caagattcac ttatcgagc aggagccgga atggcttttag ttgattcagt 180
 gatcgagca tccagaaaca gcgtagatcc acccattggt tttgcattga taagacctcc 240
 tgggcaccac gccgtgccaa aagggtccgat ggggttctgt gtttttggtg atgtggcaat 300
 cgcagctcgt catgcccaac gcacacatgg tctgaaacgc atcctcataa ttgactcgat 360
 gttcaacacn ggnaatngna caaatgancg atttaccggn ggac 404

<210> 14408
 <211> 434
 <212> DNA
 <213> Arabidopsis thaliana

 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-G5

 <400> 14408

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 acacgtgcc gccactgttt gcgtctctgg cttgccttat tccatcacca acgcacagct 180
 tgaagaagcc tttagtgaag ttggcccagt caggcggttc tttctgggtc acaaataaag 240
 ggtctgatga acaccgccc tttgcgtttg ttaaatttgc tttacaagaa gatgttaatc 300
 gtgccattga gttgaagaac gggtctactg ttgggggccg tatgattact gttaaacaag 360
 ctgcacatcg aacttctcct caaagagcgt cgaacaaaag caactgaaag ggattcccgt 420
 acccgataa atnc 434

<210> 14409
 <211> 428
 <212> DNA
 <213> Arabidopsis thaliana

<400> 14411
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 tcatactctg gaatctccct ttctaaccgc acgatccacc gcttctccac aactccgacg 180
 anncttaaga cgatttcctc aaagaaaacg gaagaaattc actccgattt caagcggttt 240
 tcgaacgggt caccgaacga gcgatcagag ctataatctt ctctcagaag gaagctaaat 300
 cgttgggaaa agatatgggt tacacgcagc atcttctctt agggtttgat cgctgangga 360
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 ntttgggg 428

<210> 14412
 <211> 517
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations
 <223> Clone ID: LIB25-108-Q1-E1-F12

<400> 14412
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 ccaacaacng gcgggtgacg gcgtcctgat tcccgtcna taacacttgg caaatgtana 180
 gttatgtact attgggtcaa aaagattcaa gcttctgctg gacccggttc tgaaatgggt 240
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 tttgttgctc agcctttacc ttctgggatg gatcagggtt atgttggtt gaataggcca 360
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 gagcctgac atatcattgt taaacctata ccaaatttgg ctaaagatgg gcttggagct 480
 gcgtttccct tcctttacat tgaaccgaaa aaagtat 517

<210> 14413
 <211> 423
 <212> DNA
 <213> Arabidopsis thaliana
 <223> unsure at all n locations